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SERVICES

FEBRUARY 1983

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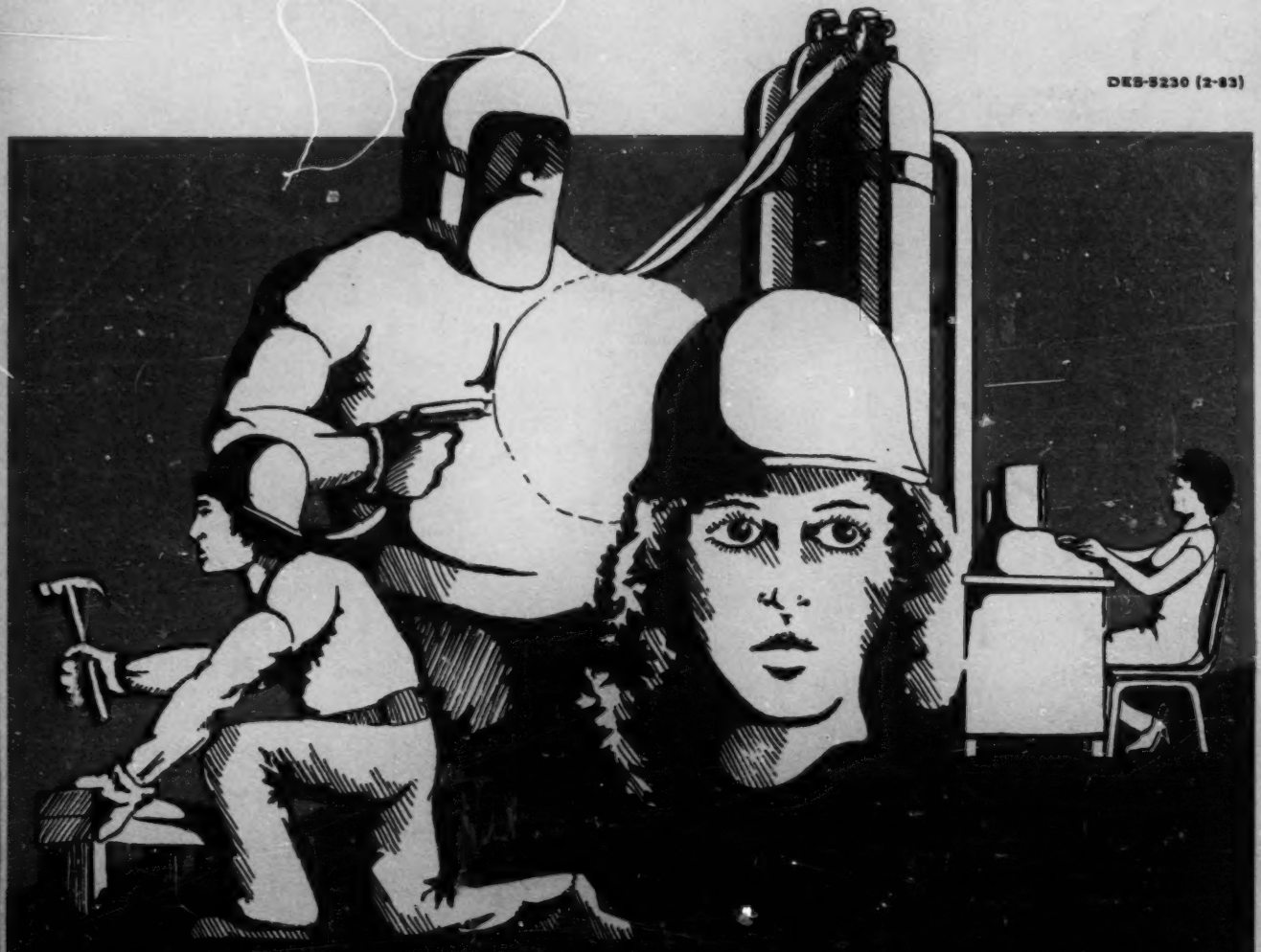


ARIZONA OCCUPATIONAL PROFILE

A Labor Market Information Publication of the Arizona Department of Economic Security

UTAH
COCONINO
MOHAVE
KINGMAN
FLAGSTAFF
NAVAJO
APACHE
HOLBROOK
ST. JOHNS
CALIFORNIA
PRESCOTT
YAVAPAI
NEW MEXICO
PARKER
LA PAZ
GILA
PHOENIX
GLOBE
CLIFTON
GREENLEE
MARICOPA
FLORENCE
SAFFORD
YUMA
PINAL
GRAHAM
YUMA
TUCSON
PIMA
COCHISE
MEXICO
SANTA CRUZ
BISBEE
NOGALES
ARIZONA

OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program - a cooperative effort between Arizona and the U.S. Bureau of Labor Statistics.

This Occupational Profile is one in a series of publications produced from information developed by the Occupational Employment Statistics survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for over 1,000 occupations in Arizona. From these surveys, which require the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The Occupational Profiles contain the survey findings and examine, individually, the industries of Arizona.

Surveyed industries include:

Mining
Construction
Manufacturing
Transportation, Communications, and Public Utilities
Trade
Finance, Insurance, and Real Estate
Services
Government

For further information, or to comment on any aspect of this program, please write to the address on the back cover.

INDUSTRY INFORMATION

INDUSTRY DESCRIPTION

Firms classified in the services industry represent those engaged in providing a wide range of services for individuals, businesses, government establishments, and other organizations. Included are hotels and lodging places; membership organizations (which include tribal councils and offices in American Indian communities); establishments providing personal, business, repair, and amusement services; health, legal, engineering, and other professional services; and miscellaneous services.

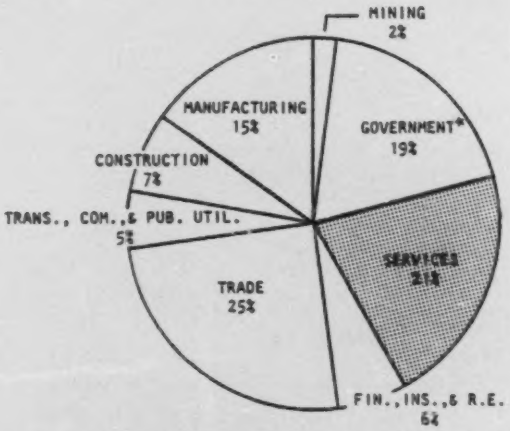
Establishments providing specialized services closely allied to mining, transportation, government, and other industries are classified in these divisions and not in the services industry. IMPORTANT: Hospital and education services employment is excluded from this study, as each of these sectors is the subject of an individual survey.

A more detailed description of the services industry can be found in the Standard Industrial Classification Manual[1] under codes 70 through 89.

INDUSTRY CHARACTERISTICS

Employing approximately 216,000, or twenty percent of Arizona's more than one-million workers in 1981, services represents the state's second largest industry based on employment - trailing only trade. Depending on the classification system used, however, services can qualify as the state's largest industry. Most employees in Arizona schools are state government employees and, as such, they are generally classified as government workers. If one chooses to include these 94,000 workers in the educational services, the service sector swells to more than 300,000 employees and becomes the state's largest industry - followed by trade and manufacturing.

FIGURE 1: ARIZONA NONAGRICULTURAL EMPLOYMENT, 1981



*Includes education

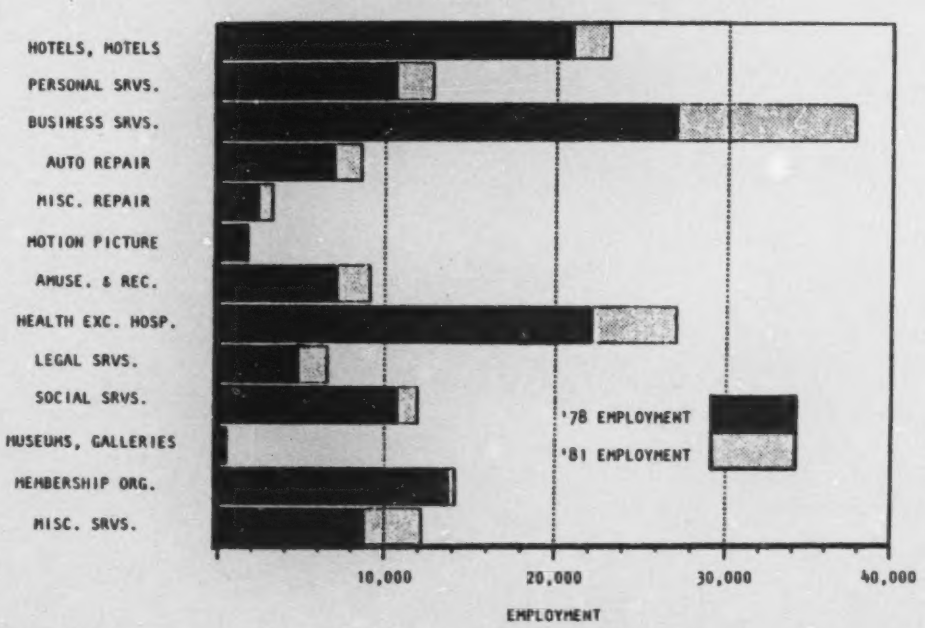
[1] Office of management and Budget, *Standard Industrial Classification Manual, 1972 Edition*, pp. 295-334.

In the language of economists and other social scientists, mention is often made of service and goods-producing sectors of the economy. The services industry is included in the service-producing sector along with the other service-producing industries: transportation, communication, and public utilities; trade; and finance, insurance, and real estate. Government employment may be considered part of the service-producing sector or it may be viewed separately.

As one of the service-producing industries, employment in services generally rides the coattails of activity in "basic" or goods-producing firms. Workers in a plant manufacturing aircraft engines, for example, support area establishments providing health, personal, and auto repair services. In Arizona, however, because of the importance of tourism, many service-producing industries also "import dollars" in the way that the export of manufactures does. The hotel/motel industry could be considered, at least in part, to be a basic industry since it provides more jobs and dollars than would be necessary to support the local population.

The services industry consists of a wide range of firms (as described in the industry description on page 1) that attempt to meet the needs of the resident and nonresident population. Firms rendering health services employ more than 70,000 people or 31 percent of all services employment and is, by far, the state's largest service industry. Hospitals account for sixty percent of health services employment and are followed

FIGURE 2: EMPLOYMENT FOR SELECTED SERVICE INDUSTRIES, 1978 and 1981[1]



[1] *Education and hospital employment not included.*

by physicians offices (14 percent) and nursing and personal care facilities (9 percent).

The second largest service industry, business services, employed 38,000 in 1981, and is dominated by temporary-help services, such as manpower pools, labor pools, and modeling services. Although temporary-help agencies employ a relatively large number of workers, it is important to remember that the labor pool placed in temporary jobs is included on the payroll of the agencies. Most of the larger employment agencies specialized in placing medical workers. Also prominent in the business services category are firms that provide cleaning and maintenance services to buildings and dwellings. Accommodating the needs of tourists and other travelers, Arizona's many hotels and motels employed 23,000 in 1981 and rounded out the state's three largest service industries.

Heavily dependent upon the needs of the local community, one would expect that the geographic distribution of Arizona's services employment and

FIGURE 3: SERVICES EMPLOYMENT BY AREA - 1981

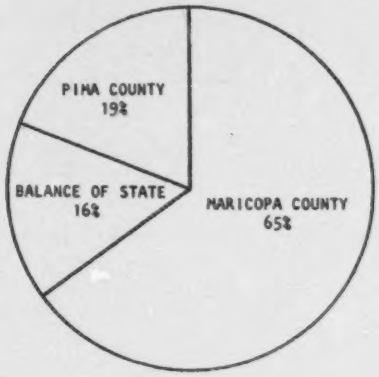
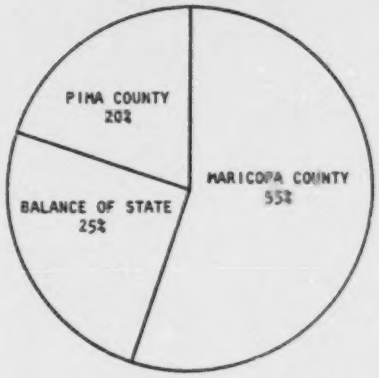


FIGURE 4: POPULATION BY AREA - 1981



population is similar. In reality, however, a greater concentration of service workers is employed in Maricopa County which, in addition to being a regional service center, is disproportionately represented by many firms providing business and health services. Evidence of this can be seen in figure 6, which, upon close scrutiny, reveals much about the nature of service industries in Arizona. By reading down a column for any county, the table indicates the relative size of each industry component by providing the number of employees in the industry per 1,000 population. In Coconino County, for example, the table

FIGURE 5: SERVICES EMPLOYMENT BY COUNTY - 1981

COUNTY	ESTABLISHMENTS	EMPLOYMENT
Apache	90	4,500
Cochise	375	2,450
Coconino	515	7,175
Gila	170	1,700
Grah/Green.	105	825
Maricopa	11,645	140,700
Mohave	330	2,625
Navajo	250	3,875
Pima	3,785	41,200
Pinal	385	2,075
Santa Cruz	130	1,100
Yavapai	470	3,350
Yuma	500	4,475
STATE	18,670	216,050

indicates the prominence of the hotel/motel industry followed by social services and health services. Reading across, we see that the ratio of

FIGURE 6: COUNTY EMPLOYMENT PER 1,000 POPULATION

INDUSTRY / COUNTY	APACHE	COCHISE	COCONINO	GILA	GRAH/GREEN.	MARICOPA	MOHAVE	NAVAJO	PIMA	PINAL	SANTA CRUZ	YAVAPAI	YUMA	STATE
HOTELS/HOTELS	3	5	38	5	4	9	18	6	5	2	18	5	6	8
PERSONAL SERVS.	*	2	3	1	2	6	2	1	5	1	2	3	2	4
BUSINESS SERVS.	*	3	3	2	*	20	2	1	10	1	2	2	5	14
AUTO REPAIR	*	1	2	1	*	4	2	1	3	1	1	1	3	3
MISC. REPAIR	*	*	1	*	*	1	1	*	1	1	*	1	1	1
MOTION PICTURES	*	*	1	1	1	1	*	1	1	*	*	*	1	1
AMUSE. & REC.	1	1	7	1	1	5	2	2	6	1	4	2	4	4
HEALTH SERVS.	14	10	16	19	1	29	16	13	30	9	10	22	15	25
LEGAL SERVS.	1	1	1	1	*	3	1	*	2	1	1	1	1	2
SOCIAL SERVS.	37	2	24	5	1	5	4	9	7	14	4	5	5	7
MUSEUMS, ETC.	*	*	1	*	*	*	*	*	*	*	1	*	*	*
MEMBERSHIP ORG.	41	2	13	22	*	3	3	39	3	6	1	2	6	5

hotel/motel employment to population in Coconino County is much greater than that for any other county, and is much higher than the state index of eight.

Of the 60,000 firms doing business in Arizona, 20,000 are engaged in providing services. This is compared to the trade industry which follows

FIGURE 7: SERVICE INDUSTRY FIRMS BY SIZE CLASS (SECOND QUARTER, 1981)

Employment Size Class	0-9	10-19	20-49	50-99	100-249	250-499	500-999	1000+
Establishments	15,395	1,627	988	352	219	52	18	15

with approximately 13,000 firms. Most firms providing services are small - employing less than 10 employees. The few firms that employ more than 1,000 persons are mostly hospitals and national or regional headquarters of hotel/motel chains.

INDUSTRY TRENDS

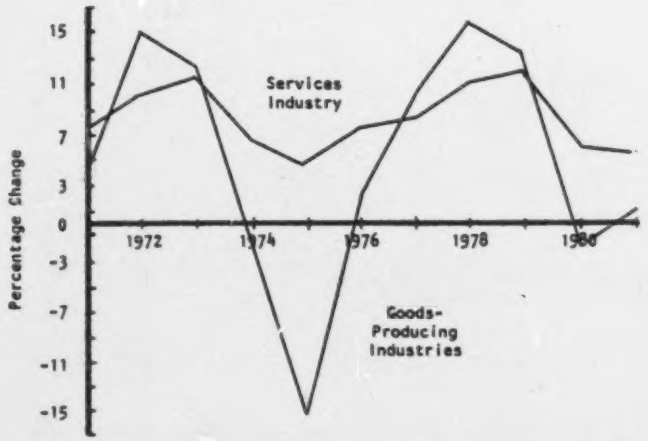
In the decade of the seventies, services employment more than doubled, and now accounts for nearly twenty percent of all workers - up from 17 percent in 1970. Only the trade industry registered a higher growth rate for the decade, and the combined effect of these two sectors is a primary force in the evolution of our state and national economy into one that is primarily service-producing rather than goods-producing.

FIGURE 8: A COMPARISON OF INDUSTRY GROWTH RATES IN ARIZONA

	Employment (000's)			Percent Growth	Percent Growth
	1970	1978	1981	1970-80	1978-81
SERVICES	91.5	173.1	216.1	124.2%	24.8%
Manufacturing	91.2	126.9	159.6	67.3	25.8
Mining	20.6	19.4	25.0	-.1	28.9
Construction	37.1	71.0	70.0	102.7	-1.4
Trans/Comm/Util	30.0	44.6	53.8	67.3	20.6
Trade	127.0	215.4	254.1	89.4	18.0
Fin/Ins/Real Estate	30.5	50.2	61.1	88.2	21.7
Government	119.5	194.8	199.7	68.7	2.5
TOTAL	547.4	895.4	1,039.5	74.7%	16.1%

A comparison of industry growth rates from year-to-year indicates the relative stability of services' employment. Less vulnerable than

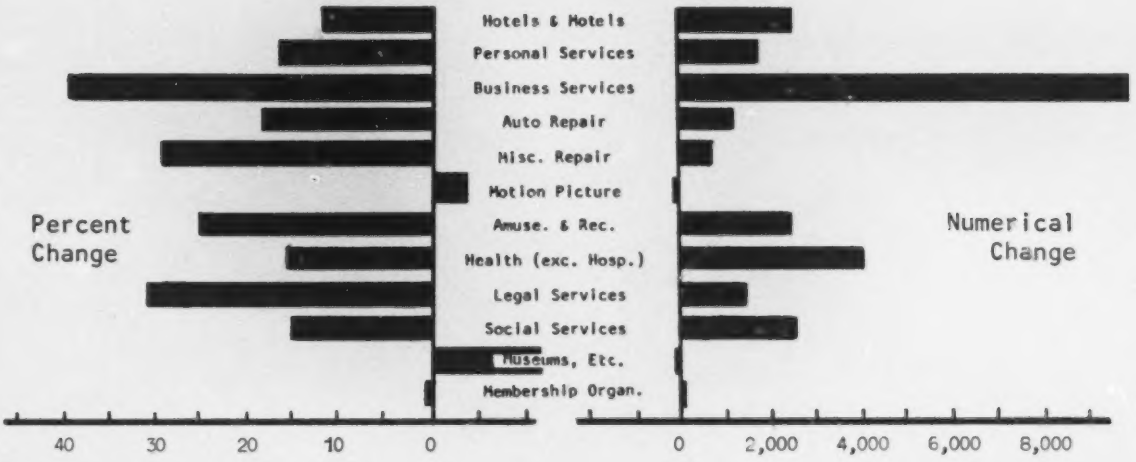
FIGURE 9: ANNUAL EMPLOYMENT CHANGE IN ARIZONA'S GOODS-PRODUCING AND SERVICE INDUSTRIES, 1971-1981



goods-producing industries to fluctuations in the national economy, employment in services increased nearly 125,000 since 1970 and has annually expanded an average of eight percent for the period.

Since 1978, employment in health services has grown by nearly 12,000, and although providing the greatest number of new jobs, health services ranked fifth among the service industries based on the rate of growth. Ranking first was the business services industry which expanded 38 percent between 1978 and 1981. Providing most of the impetus for this growth

FIGURE 10: EMPLOYMENT CHANGE IN
VARIOUS ARIZONA SERVICE INDUSTRIES (1977 - 1980)

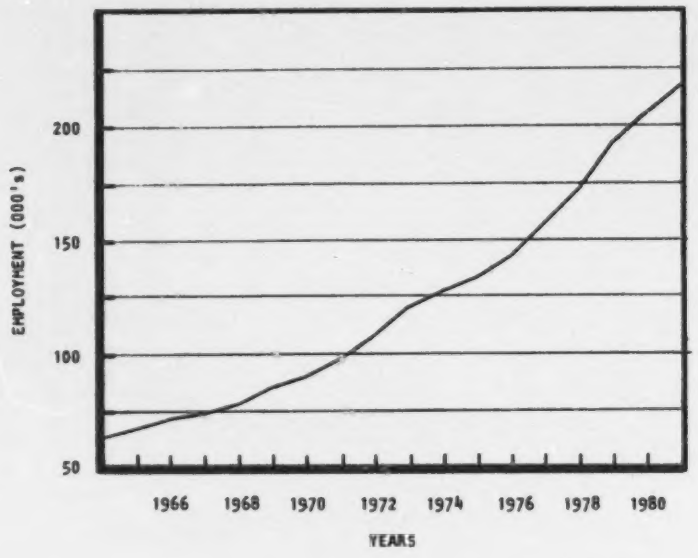


were firms that provide computer programming, systems design and analysis, and other software services. Employment in these firms registered an impressive 180 percent increase as it jumped from 300 in 1978 to more than 800 in 1981. Also contributing to business services' high growth rate are firms that provide commercial photography, art, and graphic services.

Not providing as many job openings as business services, but registering strong growth, was employment in legal services, miscellaneous repair services, and amusement and recreation services. It should surprise no one that the greatest boost to employment in amusement and recreation services was provided by firms engaged in operating coin-operated amusement devices.

Rising incomes and living standards in Arizona have resulted in greater demand for health care, entertainment, and businesses and personal services. Rapid population growth which also characterized Arizona over the past two decades provided further incentive for the consistent expansion of services employment. Predicted to increase an average of five percent annually through 1985, population will bulwark continued expansion of services employment.

FIGURE 11: AVERAGE ANNUAL EMPLOYMENT IN SERVICES



Expenditures for health care will continue to increase, as will employment in the health services industry. Expected to increase by 20 percent between 1981 and 1985, the industry will respond to expanded public and private health insurance coverage and the growing population and number of older Arizona residents. The availability of health insurance, and insurance terms that prescribe which services are reimbursable, will continue to affect the actual level of employment in the various health services delivery systems. Increased coverage for services provided in convalescent institutions and outpatient care facilities, for example, has contributed to employment growth in these areas. While it is clear that employment of health care workers is affected by changes in the extent and terms of insurance coverage, it is not clear what changes in health care financing are likely to occur during the 1980's.

Trends, already established, intended to subdue rapidly rising health care costs include health maintenance organizations (HMOs), home health care, pre-admission testing, ambulatory surgery, and second surgical opinions. Also apparent is the continued trend toward prepaid group health plans which deliver health services while increasingly emphasizing prevention and early diagnosis. Evidence of this trend is the prevalence and growth of HMOs; Arizona's recently enacted Health Care Cost Containment System (AHCCCS); and Individual Practice Associations (IPAs), which like most

HMOs, offer prepaid comprehensive health care to enrollees, but differs in that physicians work in their own offices and bill IPAs on a fee-for-service basis.

Expected to expand 20 percent in Arizona between 1981 and 1985, business services will continue increasing its share of services employment. Firms rendering computer and data processing services will show especially strong growth.

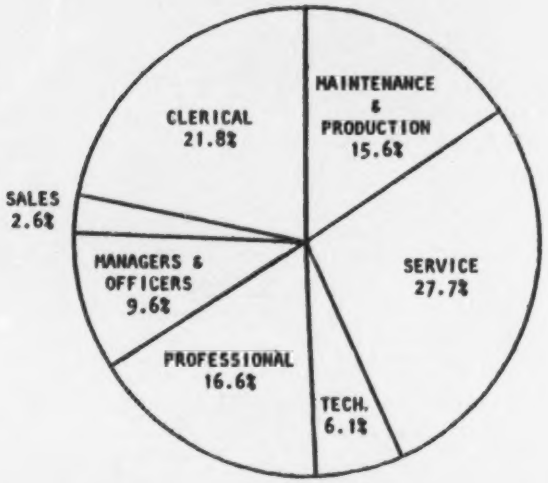
The hotel/motel industry is currently in an era of change as more large corporations, chain organizations, and franchise operations are increasing their share of the market. In recent years, the number of lodging employers in Arizona has actually decreased, while employment in the industry has increased at an average of three percent annually. Following years of fairly strong growth in the 70's, the lodging industry, like other industries, faced soaring costs following the energy shortage in 1979. Also, inflation and credit restraints have taken a further toll in recent years, reducing the amount of money consumers could spend on luxuries, including travel and lodging. These depressive forces notwithstanding, Arizona's lodging industry is in the position of strong potential growth. Mr. Bruce Berres, Vice President of Operations at the Pointe Resorts, Inc. in Phoenix, sees a bright future for the industry. "With the growth of Phoenix as a regional business center," says Mr. Berres, "much of the impetus for further growth will result from the industry's efforts to accommodate business and commercial needs." Having displayed little employment growth in 1981, Arizona's hotel/motel industry is expected to expand an average of five percent annually through 1985.

OCCUPATIONAL INFORMATION

OCCUPATIONAL ANALYSIS

Representing firms that engage in such diverse activities as advertising, computer programming, clock repair, and karate instruction, the services industry is comprised of workers with a variety of skills and talents. Nearly thirty percent of the workers in the service industry are categorized in the services occupational classification. This division includes workers who provide personal, protective, and cleaning services. Occupations in this category with the largest employment are maids (5,678),

FIGURE 12: OCCUPATIONS IN ARIZONA'S SERVICES INDUSTRY MAY 1981



janitors, porters, and cleaners (4,971), waiters and waitresses (4,299), and guards and doorkeepers (4,041). Together, these workers account for sixty percent of the employment in service occupations.

Clerical and professional workers constitute the second and third largest occupational groups respectively. Common to nearly all firms, clerical workers numbered nearly 26,000 in 1981 - led by secretaries, general office clerks, and receptionists. Professional occupations, on the other hand, reflect the breadth of the industry's services. Although employment of nurses, accountants and auditors, and lawyers rank highest, the professional workers category includes everything from music directors to embalmers.

All seven major occupational groups will experience significant employment growth through 1985; however, the extent of this growth will be dictated by employment changes in the various service industries. Strong growth in the health industry, for example, will impact most on the professional and technical occupations which represent the industry's largest constituents.

As discussed earlier, the availability of public and private health insurance will continue to impact on employment levels in the health industry. Furthermore, health insurance terms that define the kinds of health care which are reimbursable will impact on the occupational mix as well. More generous coverage of home health care services, for example, stimulates demand for those services and thus alters the occupational makeup of the health services industry. Demographic changes, as well, will contribute to the ever-evolving demand for workers with the appropriate skills or training. The increasing number of older Arizonans, for example, will require more workers skilled in the treatment of diseases and ailments associated with the aged.

Workers in service occupations can expect to have the greatest number of job opportunities. Janitors, porters, and cleaners; waiters and waitresses; and cosmetologists and/or women's hairstylists will vie for an expected total of 6,000 job openings through 1985. In addition to job openings transpiring as the result of industry growth, these occupations are characterized by higher-than-average separation rates and turnover, and will, therefore, require substantial numbers of workers to replace those who transfer jobs or leave the labor force.

Clerical occupations will provide nearly 12,000 opportunities to job hunters during the period 1981-1985. Like many of the service occupations, clerical workers also have relatively high turnover and separation rates. Openings will be most abundant for secretaries, general office clerks, and receptionists.

With nearly 900 annual job openings in the health services (excluding hospitals), registered nurses head the list of professional workers. The apparent shortage of nurses willing to work in certain geographical areas and in less desirable positions is expected to abate somewhat, provided employers offer sufficiently attractive wages and working conditions. With continued expansion of Arizona's health services complex, continued demand for nurses and other health professional and technical personnel is assured.

The recent rapid expansion of firms rendering business services has increased the demand for certain workers. Although employment growth in firms providing computer and data processing services has been most conspicuous, total employment in the industry at this time is relatively small. Employment of computer programmers and systems analysts is expected to continue its rapid growth as computer usage expands, particularly in firms providing accounting, business management and computer programming services. However, it is apparent to Tony Benavidez, Regional Personnel Manager at First Interstate Services Company, that aspiring programmers are finding job seeking more competitive than in the past. "As a matter of fact," says Mr. Benavidez, "we are presently faced with an abundance of qualified programmers." This increasingly frequent observation results more from the large supply of entry-level programmers than to a lack of demand - which will remain strong through the 1980's.

FIGURE 13: MOST FREQUENTLY REPORTED
OCCUPATIONS IN ARIZONA'S SERVICES INDUSTRY

	Employment 1981	Job Openings* 1981-1985
Managers & Officers	17,177	6,217
Secretaries	7,440	3,361
Janitors, Porters & Cleaners	6,485	2,021
Maids	5,678	2,635
Waiters or Waitresses	4,299	1,940
Guards & Doorkeepers	4,041	1,138
General Clerks, Office	3,989	1,736
Cosmetologists &/or Hairstylists	3,689	1,826
Receptionists	3,310	1,550
Nurse's Aides &/or Orderlies	3,275	1,373
Nurses, Professional (Exc. Practical Nurse)	3,036	1,215
Accountants & Auditors	2,890	1,076
Bookkeepers, Hand	2,436	1,013
Sales Reps., Agents &/or Associates	2,360	855
Typists (Inc. Clerk-Typists)	2,284	1,081
Kitchen Helpers	2,251	893
Physicians &/or Surgeons	2,229	750
Maintenance Repairers, General Utility	2,212	664
Lawyers	2,113	716
Gardeners & Groundskeepers	2,034	865
Mechanics, Automotive	2,032	611
Drafters	1,919	599
Sales Clerks (Exc. Cashiers)	1,886	653
Accounting Clerks	1,834	764
Child-Care Workers	1,782	877
Cashiers (Inc. Cashier-Checkers)	1,777	760
Licensed Practical Nurses	1,662	721
Desk Clerks	1,582	678
Dental Assistants	1,564	739
Medical Assistants	1,500	642
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	1,487	420
Caseworkers	1,385	524
Cooks, Restaurant	1,368	509
Teachers, Elementary &/or Preschool	1,358	551
Bartenders	1,336	485

*Does not include turnover.

Demand for systems analysts is expected to strengthen in years to come as sophisticated accounting and telecommunications systems rely more heavily on expanding capabilities of the computer. Advances in technology that have drastically reduced the size and cost of computer hardware will have differing effects on employment of systems analysts. Employment in data processing firms may not grow quite as rapidly as in recent years as more small businesses install their own computers rather than rely on a data processing service. This will be offset, however, by a rising demand for analysts to design systems for small computers that are specifically adapted to meet problem-solving needs of small firms.

OCCUPATIONAL STRUCTURE

The following thirteen tables provide employment estimates and projected employment and job openings for the counties and the state. Graham and Greenlee counties have been combined due to their close proximity, similar economies, and size. A table for La Paz County is not included as the survey was conducted prior to this county's creation.

When using the data, please note the following:

1) The data reflect full and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

2) Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are often the largest source of job openings.

3) The projection technique does not possess the degree of accuracy that may be implied by small employment and demand figures.

4) To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "all other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE

	Estimated 1981 Employment	Percent of Total 1981 Employment	Projected 1985 Employment	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	17,177	9.6	20,861	6,217
TOTAL PROFESSIONAL WORKERS	29,849	16.6	36,077	10,586
Engineers (Inc. Sales Engineers)	75	.0	94	25
Aeronautical Engineers	91	.1	113	28
Chemical Engineers	39	.0	48	12
Civil Engineers	712	.4	871	256
Electrical & Electronic Engineers	774	.4	946	219
Industrial Engineers	7	.0	8	2
Mechanical Engineers	392	.2	480	113
Metallurgists & Metallurgical Engineers	26	.0	32	7
Mining Engineers	39	.0	47	14
Safety Engineers	8	.0	10	3
All Other Engineers	171	.1	206	47
Actuaries	17	.0	21	7
Financial Analysts	49	.0	60	16
Statisticians	82	.0	97	26
Chemists	67	.0	82	23
Geologists & Geophysicists	46	.0	56	14
All Other Physical Scientists	59	.0	71	16
All Other Natural & Mathematical Scientists	51	.0	59	14
Economists	7	.0	9	3
Market Research Analysts	202	.1	248	69
Psychologists	177	.1	213	52
Sociologists	11	.0	14	4
Urban & Regional Planners	73	.0	86	17
All Other Social Scientists	236	.1	277	55
Systems Analysts, EDP	76	.0	92	19
Systems Analysts, Business	408	.2	500	110
Systems Analysts, Scientific & Technical	146	.1	180	41
Teachers, Voc. Ed. or Training	333	.2	394	129
Teachers, Adult Education	443	.2	528	135
Vocational & Educational Counselors	473	.3	568	163
Teachers, Elementary &/or Preschool	1,358	.8	1,647	551
All Other Teachers	272	.2	323	114
Photographers	95	.1	116	31
Photographers, Portrait &/or Commercial	170	.1	210	58
All Other Photographers	34	.0	42	12
Purchasing Agents &/or Buyers	194	.1	237	69
Accountants & Auditors	2,890	1.6	3,523	1,076
Actors or Actresses	124	.1	151	41
Landscape Architects	73	.0	90	27
Architects (Exc. Landscape Architects)	425	.2	523	155
Archivists	7	.0	9	3
Announcers	14	.0	17	4
Athletes	39	.0	48	13
Budget Analysts	66	.0	79	23
Media Buyers	55	.0	67	20
Directors, Camp	10	.0	12	4
Caseworkers	1,385	.8	1,655	524
Chiropractors	96	.1	115	49
Clergy	116	.1	142	45
Commercial Artists	318	.2	389	130
Cost Estimators	28	.0	34	12
Dance Instructors	215	.1	264	99
Dancers	37	.0	46	22
Dentists	673	.4	802	197
Dietitians &/or Nutritionists	125	.1	150	52
Writers &/or Editors	237	.1	287	93
Embalmers	111	.1	135	35
Employment Interviewers	549	.3	671	189

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE (CONTD.)

	Estimated 1981 Employment	Percent of Total 1981 Employment	Projected 1985 Employment	Total Job Openings 1981-1985
Law Clerks	263	.2	321	88
Lawyers	2,113	1.2	2,590	716
Librarians, Professional	50	.0	60	22
Media Analysts	26	.0	32	9
Curators, Museum	20	.0	24	7
Music Directors	10	.0	12	4
Musicians, Instrumental	532	.3	655	203
Nurses, Professional (Exc. Practical Nurses)	3,036	1.7	3,649	1,215
Occupational Therapists	41	.0	49	15
Optometrists (Exc. Opticians)	189	.1	225	65
Paralegal Personnel	438	.2	535	146
Personnel & Labor Relations Specialists	500	.3	608	169
Pharmacists	17	.0	20	7
Physical Therapists	256	.1	306	91
Physicians &/or Surgeons	2,229	1.2	2,641	750
Podiatrists	75	.0	91	31
Public Relations Practitioners	328	.2	400	123
Reporters &/or Correspondents	28	.0	34	11
Sports Instructors	558	.3	678	184
Singers	12	.0	15	5
Veterinarians	12	.0	15	4
Designers (Exc. Design Engineers)	284	.2	349	89
Athletic Trainers	7	.0	8	2
Community Organization Workers	789	.4	926	281
All Other Therapists	36	.0	43	13
Tax Preparers	344	.2	421	130
Group Recreation Workers	637	.4	773	230
Manual Arts, Music &/or Rec. Therapists	28	.0	33	9
Speech Pathologists &/or Audiologists	21	.0	25	7
Audiometrists	16	.0	19	13
Respiratory Therapists	22	.0	26	8
All Other Professional Workers	1,926	1.1	2,300	652
TOTAL TECHNICAL WORKERS	11,062	6.2	13,351	4,135
Computer Programmers	107	.1	131	30
Computer Programmers, Business	524	.3	640	144
Computer Programmers, Scientific & Technical	70	.0	85	19
Engineering Technicians	80	.0	100	27
Drafters	1,919	1.1	2,356	599
Electrical & Electronic Technicians	483	.3	590	136
Surveyors (Exc. Surveyor Helpers)	506	.3	614	142
Mechanical Engineering Technicians	44	.0	54	12
Specification Writers, Engineering	11	.0	14	5
Civil Engineering Technicians	223	.1	274	82
All Other Engineering Technicians	427	.2	523	143
Science Technicians	106	.1	126	30
Physical Science Technicians	27	.0	32	7
All Other Science Technicians	25	.0	30	8
Dental Assistants	1,564	.9	1,864	739
Licensed Practical Nurses	1,662	.9	2,002	721
Physician's Assistants	121	.1	143	50
Museum Technicians &/or Restorers	32	.0	38	10
Technical Assistants, Library	13	.0	15	5
Radiologic Technicians	427	.2	510	154
Pharmacy Helpers	22	.0	26	9
Medical-Record Librarians	102	.1	119	43
Medical & Dental Technicians	64	.0	75	23
Dental Hygienists	721	.4	859	304
Medical Laboratory Technologists	385	.2	459	146
Biochemistry Technologists	20	.0	24	7
Microbiology Technologists	38	.0	45	14
Cytotechnologists	17	.0	20	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE (CONTD.)

	Estimated 1981 Employment	Percent of Total 1981 Employment	Projected 1985 Employment	Total Job Openings 1981-1985
Histologic Technologists	22	.0	26	8
Medical Laboratory Technicians	428	.2	511	184
Electrocardiograph Technicians	61	.0	73	21
Electroencephalograph Technicians	13	.0	15	4
Dietetic Technicians	21	.0	25	8
Blood Bank Technology Specialists	52	.0	63	19
Physical Therapy Assistants	192	.1	230	54
Radiologic &/or Nuclear Medical Technicians	78	.0	92	27
All Other Medical & Dental Technicians	105	.1	124	83
All Other Technicians	350	.2	424	112
TOTAL SERVICE WORKERS	49,767	27.7	60,492	20,408
Janitors, Porters & Cleaners	303	.2	367	121
Maids	5,678	3.2	6,898	2,635
House Cleaners	1,211	.7	1,490	545
All Other Janitors, Porters and Cleaners	4,971	2.8	6,060	2,021
Guards & Doorkeepers	4,041	2.3	4,936	1,138
Food Service Workers (Exc. Cashiers)	291	.2	356	119
Bakers, Bread &/or Pastry	36	.0	44	14
Bartenders	1,336	.7	1,621	485
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	1,487	.8	1,820	420
Butchers &/or Meat Cutters	13	.0	16	4
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop	311	.2	381	141
Kitchen Helpers	2,251	1.3	2,725	893
Waiters or Waitresses	4,299	2.4	5,256	1,940
Counter Attdnts., Lunch, Coffee Shop or Cafeteria	329	.2	401	150
Cooks, Short Order &/or Specialty Fast Foods	417	.2	498	147
Cooks, Restaurant (Exc. Supervisory Chefs)	1,368	.8	1,660	509
Food Prep. & Service Wrkrs., Fast Food Restrnt.	276	.2	337	113
Pantry, Sandwich &/or Coffee Makers	313	.2	387	133
Cooks, Institution	818	.5	976	287
All Other Food Service Workers	183	.1	219	70
Child-Care Attendants	544	.3	664	271
Barbers	587	.3	721	234
Bellhops, Porters, Doorkprs. & Rm. Srvce. Attdts.	401	.2	499	127
Cosmetologists &/or Women's Hairstylists	3,689	2.1	4,508	1,826
Detectives	72	.0	88	20
Supervisors, Nonworking-Service	729	.4	891	246
Funeral Attendants	115	.1	139	31
Housekeepers	584	.3	708	245
Manicurists	225	.1	277	114
Masseurs or Masseuses	33	.0	41	15
Nurse's Aides &/or Orderlies	3,275	1.8	3,910	1,373
Protective-Signal Operators	79	.0	97	36
Psychiatric Aides	28	.0	32	10
Recreation Facility Attendants	1,219	.7	1,493	459
Game & Ride Operators & Concession Workers	580	.3	714	228
Scalp Treatment Operators	17	.0	21	9
Ushers, Lobby Attendants & Ticket Takers	441	.3	536	161
Wig Dressers	19	.0	24	10
Shampooers	69	.0	85	35
Instructors, Reducing	424	.2	523	187
Guides, Sightseeing or Establishment	44	.0	52	17
Child-Care Workers	1,782	1.0	2,166	877
Lifeguards	168	.1	207	65
Checkroom & Locker-Room Attendants	177	.1	217	77
Social Service Aides	1,071	.6	1,265	390
Medical Assistants	1,500	.8	1,789	642
Occupational Therapy Aides	9	.0	11	4
Mortuary Beauticians	9	.0	11	3
All Other Service Workers	1,945	1.1	2,355	811

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE (CONTD.)

	Estimated 1981 Employment	Percent of Total 1981 Employment	Projected 1985 Employment	Total Job Openings 1981-1985
TOTAL MAINTENANCE & PRODUCTION WORKERS	28,002	15.6	34,001	9,463
Protective-Signal Installers &/or Repairers	132	.1	162	38
Mechanics, Automotive	2,032	1.1	2,471	611
Body Repairers, Automotive	585	.3	714	177
Bicycle Repairers	29	.0	36	10
Camera Repairers	11	.0	14	4
Diesel Mechanics (Exc. Auto & Engineering Equip.)	258	.1	315	80
Electric-Motor Repairers	273	.2	336	89
Electric-Tool Repairers	26	.0	32	8
Electrical Instrument Repairers	18	.0	22	6
Laundry-Machine Mechanics	46	.0	56	14
Locksmiths	60	.0	73	19
Mechanics, Maintenance (Exc. Millwrights)	471	.3	567	140
Pinsetter Mechanics, Automatic	94	.1	114	29
Office Machine &/or Cash Register Servicers	21	.0	25	6
Refrigeration/Air Conditioning Mechanics	108	.1	133	35
TV, Radio &/or Tape Recorder Servicers & Repairers	135	.1	165	39
Coin/Vending-Machine Servicers & Repairers	28	.0	33	8
Data Processing Machine Repairers	42	.0	51	11
Gas & Electric Appliance Repairers	125	.1	154	44
All Other Mechanics & Repairers	313	.2	380	97
Developers &/or Projection Printers	241	.1	294	81
Negative Cutters &/or Spotters	37	.0	45	13
Multiple-Photographic-Printer Operators	89	.0	109	33
Print Developers, Machine	40	.0	49	15
Photo Checkers & Assemblers	69	.0	85	26
Copy Camera Operators	57	.0	70	21
All Other Darkroom Workers	15	.0	18	5
Markers, Classifiers, Wet Wash Assemblers	179	.1	219	87
Spotters, Dry-Cleaning	55	.0	67	22
Spotters, Washable Materials	18	.0	22	9
Washers, Machine &/or Starchers	350	.2	423	164
Tumbler Operators	31	.0	38	15
Dry-Cleaning-Machine Operators	144	.1	176	58
Dry-Cleaners, Hand	14	.0	17	6
Laundry Operators, Small Establishment	468	.3	571	225
Pressers, Hand	93	.1	113	44
Pressers, Machine (Exc. Laundry Pressers, Machine)	289	.2	354	118
Pressers, Machine, Laundry	373	.2	458	182
Rug Cleaners, Hand	120	.1	145	47
Rug Cleaners, Machine	71	.0	87	29
Shoe Repairers	57	.0	70	31
Truck Drivers	692	.4	844	205
Billposters	20	.0	24	6
Blueprinting Machine Operators	121	.1	148	44
Bus Drivers	287	.2	336	87
Carpenters	226	.1	270	73
Cleaners, Vehicle	1,194	.7	1,467	339
Compositors &/or Typesetters	37	.0	45	14
Delivery & Route Workers	1,071	.6	1,306	311
Electricians	145	.1	174	43
Exterminators	608	.3	743	206
Filers, Grinders & Buffers (Exc. Lens)	16	.0	20	5
Supervisors, Nonworking	662	.4	801	215
Folders, Laundry	117	.1	141	49
Fumigators	9	.0	11	3
Industrial Truck Operators	46	.0	56	13
Inspectors	126	.1	154	47
Instrument Repairers	103	.1	124	31
Jewelers &/or Silversmiths	20	.0	25	9
Machinists	146	.1	177	47
Maintenance Repairers, General Utility	2,212	1.2	2,667	664
Trades Helpers	394	.2	474	126

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE (CONTD.)

	Estimated 1981 Employment	Percent of Total 1981 Employment	Projected 1985 Employment	Total Job Openings 1981-1985
Menders (Exc. Seamstresses & Alter. Tailors)	48	.0	58	16
Order Fillers	37	.0	45	10
Photo Retouchers/Colorists & Airbrush Artists	116	.1	142	47
Painters, Automotive	266	.2	325	90
Painters, Maintenance	123	.1	148	41
Parking Lot Attendants	140	.1	173	46
Plumbers &/or Pipefitters	105	.1	125	31
Press Operators &/or Plate Printers	37	.0	45	11
Production Packagers	127	.1	155	48
Motion Picture Projectionists	167	.1	202	75
Dental-Laboratory Technicians	443	.3	527	144
Sewing Machine Opers., Reg. Equip.-Garment	10	.0	12	3
Sewing Machine Opers., Special Equip.-Garment	4	.0	5	2
Sewing Machine Opers., Reg. Equip.-Nongarment	25	.0	31	9
Sewing Machine Opers., Spec. &/or Auto. Equip. Nongarment	8	.0	10	3
Sign Erectors	40	.0	49	14
Stationary Boiler Firers	3	.0	4	1
Stationary Engineers	13	.0	15	4
Alteration Tailors (Exc. Menders & Custom Sewers)	40	.0	49	16
Animal Caretakers	204	.1	250	88
Termite Treaters	56	.0	69	20
Termite Treater Helpers	13	.0	16	5
Tire Fabricators &/or Repairers	161	.1	198	56
Trailor-Rental Attendants	35	.0	43	15
Watchmakers	6	.0	7	2
Welders & Flamecutters	392	.2	481	135
Pin Chasers	98	.1	120	37
Rackers, Poolroom	22	.0	27	8
Fuel Pump Attendants &/or Lubricators	139	.1	171	48
Opticians, Dispensing &/or Optical Mechanics	147	.1	172	50
Furniture Upholsterers	213	.1	260	81
Surveyor Helpers	433	.2	525	143
Septic Tank Servicers &/or Sewer Pipe Cleaners	26	.0	31	8
Baker Helpers	13	.0	16	5
Testers	23	.0	28	8
Auto Seat Cover & Top Installers	144	.1	177	43
Glass Installers	150	.1	183	48
Rental Car Deliverers	134	.1	165	47
Picture Framers	17	.0	21	6
Gardeners & Groundskeepers	2,034	1.1	2,491	865
Chauffeurs	175	.1	212	63
Bindery Workers, Assembly	7	.0	9	3
Bus Drivers, School	216	.1	253	66
All Other Skilled Craft Workers	772	.4	941	243
All Other Operatives & Semiskilled Workers	1,554	.9	1,841	467
All Other Laborers & Unskilled Workers	3,197	1.8	3,884	1,059
TOTAL CLERICAL WORKERS	39,122	21.8	47,413	16,939
Bookkeeping &/or Billing Machine Operators	363	.2	441	148
Computer Operators	738	.4	899	244
Keypunch Operators	877	.5	1,068	388
Peripheral EDP Equipment Operators	58	.0	71	27
Inserting &/or Labeling Machine Operators	27	.0	33	14
Duplicating Machine Operators	84	.0	104	41
All Other Office Machine Operators	209	.1	255	106
Stenographers	392	.2	474	167
Accounting Clerks	1,834	1.0	2,226	764
Bookkeepers, Hand	2,436	1.4	2,955	1,013
Call-Out Operators	25	.0	30	11
Car Rental Clerks	436	.2	537	222
Cashiers (Inc. Cashier-Checkers)	1,777	1.0	2,160	760

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE (CONTD.)

	Estimated 1981 Employment	Percent of Total 1981 Employment	Projected 1985 Employment	Total Job Openings 1981-1985
Collectors	352	.2	430	132
Counter Clerks	553	.3	673	240
Desk Clerks, Bowling Floor	183	.1	224	69
Credit Reporters	117	.1	143	52
Media Clerks, Estimators &/or Billers	15	.0	18	3
File Clerks	748	.4	904	368
General Clerks, Office	3,989	2.2	4,837	1,736
Desk Clerks	1,582	.9	1,917	678
In-File Operators	53	.0	65	24
Library Assistants (Exc. Techs.)	15	.0	18	7
Mail Clerks	172	.1	210	69
Insurance Clerks, Medical	537	.3	639	221
Order Clerks	117	.1	143	51
Payroll &/or Timekeeping Clerks	504	.3	615	205
Personnel Clerks	260	.1	312	126
Receptionists	3,310	1.8	3,970	1,550
Secretaries	7,440	4.1	9,041	3,361
Statistical Clerks	125	.1	148	51
Survey Workers	986	.6	1,205	380
Switchboard Operators	963	.5	1,180	484
Switchboard Operator-Receptionists	864	.5	1,052	421
Messengers	139	.1	171	50
Travel Counselors, Auto Club	33	.0	40	16
Travel Clerks	43	.0	53	20
Typists (Inc. Clerk-Typist)	2,284	1.3	2,757	1,081
Clerical Supervisors, Office or Plant	692	.4	836	231
Teacher's Aides &/or Ed. Assistants	997	.6	1,177	358
All Other Office Clerical Workers	1,306	.7	1,571	553
Production Clerks &/or Coordinators	272	.2	332	91
Shipping Packers	86	.0	106	30
Shipping &/or Receiving Clerks	187	.1	230	60
Stock Clerks	719	.4	874	239
Dispatchers	174	.1	210	56
All Other Plant Clerical Workers	49	.0	59	21
TOTAL SALES WORKERS	4,674	2.6	5,719	1,681
Sales Reps., Agents &/or Associates	2,360	1.3	2,902	855
Contribution Solicitors	70	.0	86	26
All Other Sales Reps., Agents &/or Associates	201	.1	247	80
Sales Clerks (Exc. Cashiers)	1,886	1.1	2,290	653
Demonstrators	110	.1	136	46
Vendors	47	.0	58	21
TOTAL ALL OCCUPATIONS	179,653	100.0	217,914	69,429

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Other Engineers
- Petroleum Engineers
- Traffic Engineers
- Nuclear Engineers

All Other Physical Scientists
- Physicists

All Other Natural & Math Scientists
- Agricultural Scientists
- Biological Scientists

PROFESSIONAL WORKERS (CONTD.)

All Other Professional Workers
- Appraisers (Exc. Art & Real Estate Appraisers)
- Choirmasters
- Coaches, Professional Athletes (Exc. Head Coaches)
- Comedians
- Film Editors
- Painters, Artistic
- Directors of Religious Activities
- Umpires
- Corrective Therapists

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

STATEWIDE (CONTD.)

TECHNICAL WORKERS

All Other Engineering Technicians
Traffic Technicians
Industrial Engineering Technicians

All Other Technicians
Mathematical Technicians
Surgical Technicians
Taxidermists

SERVICE WORKERS

All Other Service Workers
Costumers
Cremators
Escorts &/or Chaperons
Bootblacks

MAINTENANCE & PRODUCTION WORKERS

All Other Darkroom Workers
Photographer Helpers
Film Printers, Motion Picture Film

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Other Skilled Craft Workers
Farm Equipment Mechanics
Gunsmiths
Fur Cleaners
Automobile Repairs-Service Estimators
Merchandise Displayers & Window Trimmers
Musical Instrument Repairers
Custom Sewers (Exc. Alteration Tailors & Menders)
Sheet Metal Workers
Furniture Finishers

All Other Operatives & Semiskilled Workers
Saw Filers
Ambulance Drivers &/or Attendants

CLERICAL WORKERS

All Other Office Machine Operators
Addressing-Machine Operators

All Other Office Clerical Workers
Actuarial Clerks
Film Bookers
Foreign Credit Reporters
Procurement Clerks
Eligibility Workers, Welfare
Proofreaders, Clerical

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

APACHE COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	308	348	40	45	85
TOTAL PROFESSIONAL WORKERS	1,026	1,162	136	165	301
All Engineers	18	20	2	1	3
All Natural & Mathematical Scientists	19	22	3	2	5
All Social Scientists	12	13	1	1	2
All Teachers	198	225	27	37	64
Purchasing Agents &/or Buyers	5	6	1	1	2
Accountants & Auditors	44	50	6	7	13
Caseworkers	104	118	14	19	33
Law Clerks	5	6	1	1	2
Nurses, Professional (Exc. Practical Nurses)	18	20	2	4	6
Paralegal Personnel	27	31	4	3	7
Personnel & Labor Relations Specialists	23	26	3	3	6
Community Organization Workers	253	286	33	46	79
All Other Professional Workers	300	339	39	40	79
TOTAL TECHNICAL WORKERS	104	118	14	11	25
Drafters	9	10	1	1	2
Electrical & Electronic Technicians	23	26	3	1	4
All Science Technicians	24	27	3	2	5
All Other Engineering Technicians	16	19	3	1	4
All Medical & Dental Technicians	25	28	3	5	8
All Other Technicians	7	8	1	1	2
TOTAL SERVICE WORKERS	674	756	82	126	208
Maids	64	71	7	16	23
All Other Janitors, Porters & Cleaners	42	47	5	8	13
Guards & Doorkeepers	28	32	4	2	6
Bartenders	13	15	2	2	4
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	7	8	1	0	1
Kitchen Helpers	24	27	3	4	7
Waiters or Waitresses	48	53	5	11	16
Cooks, Short Order &/or Specialty Fast Foods	17	19	2	3	5
Cooks, Restaurant (Exc. Supervisory Chefs)	53	60	7	8	15
Cooks, Institution	53	60	7	8	15
All Other Food Service Workers	16	17	1	3	4
Supervisors, Nonworking	11	12	1	1	2
Housekeepers	4	4	0	1	1
Child-Care Workers	26	29	3	7	10
Social Service Aides	111	125	14	20	34
All Other Service Workers	157	177	20	32	52
TOTAL MAINTENANCE & PRODUCTION WORKERS	687	775	88	75	163
All Mechanics & Repairers	54	60	6	4	10
Electricians	12	14	2	1	3
Supervisors, Nonworking	23	26	3	3	6
Maintenance Repairers, General Utility	146	165	19	14	33
All Other Skilled Craft Workers	137	154	17	16	33
All Operatives & Semiskilled Workers	280	316	36	32	68
All Other Laborers & Unskilled Workers	35	40	5	5	10
TOTAL CLERICAL WORKERS	832	939	107	183	290
All Office Machine Operators	27	31	4	6	10
Stenographers	33	37	4	7	11
Accounting Clerks	40	45	5	8	13
Bookkeepers, Hand	16	18	2	3	5
Cashiers	5	6	1	1	2
General Clerks, Office	119	134	15	26	41
Desk Clerks	26	29	3	5	8

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

APACHE COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Personnel Clerks	48	54	6	13	19
Receptionists	16	18	2	4	6
Secretaries	177	200	23	41	64
Statistical Clerks	24	27	3	5	8
Switchboard Operator-Receptionists	8	9	1	2	3
Typists (Inc. Clerk Typists)	112	127	15	29	44
Teacher's Aides &/or Ed. Assistants	72	81	9	13	22
All Other Office Clerical Workers	76	86	10	16	26
All Other Plant Clerical Workers	33	37	4	4	8
TOTAL SALES WORKERS	10	11	1	1	2
Sales Clerks (Exc. Cashiers)	10	11	1	1	2
TOTAL ALL OCCUPATIONS	3,641	4,109	468	606	1,074

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Engineers
- Civil Engineers
- Electrical & Electronic Engineers

All Natural & Mathematical Scientists
- Statisticians

All Social Scientists
- Economists
- Psychologists

All Teachers
- Teachers, Voc. Ed. or Training
- Teachers, Adult Education
- Teachers, Elementary &/or Preschool

All Other Professional Workers
- Systems Analysts, EDP
- Dietitians &/or Nutritionists
- Writers &/or Editors
- Lawyers
- Librarians, Professional
- Curators, Museum
- Physicians &/or Surgeons
- Public-Relations Practitioners
- Veterinarians
- Group Recreation Workers

TECHNICAL WORKERS

All Other Engineering Technicians
- Computer Programmers
- Surveyors (Exc. Surveyor Helpers)

All Medical & Dental Technicians
- Licensed Practical Nurses

All Other Technicians
- Science Technicians
- Licensed Practical Nurses
- Technical Assistants, Library

SERVICE WORKERS

All Other Janitors, Porters & Cleaners
- Janitors, Porters & Cleaners
- House Cleaners

All Other Food Service Workers
- Food Service Workers (Exc. Cashiers)
- Hosts/Hostesses, Restaurant, Lounge or Coffee Shop
- Food Prep. & Service Wkrs., Fast Food Restrnt.

All Other Service Workers
- Cosmetologists &/or Women's Hairstylists
- Nurse's Aides &/or Orderlies
- Ushers, Lobby Attendants & Ticket Takers
- Medical Assistants

MAINTENANCE & PRODUCTION WORKERS

All Mechanics & Repairers
- Mechanics, Automotive
- Laundry-Machine Mechanics
- Mechanics, Maintenance (Exc. Millwrights
- Coin/Vending-Machine Servicers & Repairers

All Other Skilled Craft Workers
- Dry-Cleaning-Machine Operators
- Laundry Operators, Small Establishment
- Truck Drivers
- Bus Drivers
- Carpenters (Exc. Cabinetmakers)
- Plumbers &/or Pipefitters
- Press Operators &/or Plate Printers
- Bus Drivers, School

All Other Operatives & Semiskilled Workers
- Industrial Truck Operators
- Inspectors
- Surveyor Helpers
- Chauffeurs

All Other Laborers & Unskilled Workers
- Painters, Maintenance (Exc. Production Painters)

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

APACHE COUNTY (CONTD.)

CLERICAL WORKERS

All Office Machine Operators
Computer Operators
Keypunch Operators

All Other Office Clerical Workers
Counter Clerks
File Clerks
Mail Clerks

CLERICAL WORKERS (CONTD.)

Insurance Clerks, Medical
Payroll &/or Timekeeping Clerks
Switchboard Operators
Clerical Supervisors, Office or Plant

All Other Plant Clerical Workers
Stock Clerks, Stockroom, Warehouse or Storage Yard
Dispatchers, Vehicle, Service or Work

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCHISE COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	241	271	30	35	65
TOTAL PROFESSIONAL WORKERS	242	271	29	33	62
All Engineers	26	29	3	2	5
Teachers, Elementary &/or Preschool	11	12	1	2	3
All Photographers	1	1	0	0	0
Accountants & Auditors	27	30	3	4	7
Dentists	8	9	1	1	2
Embalmers	8	9	1	1	2
Nurses, Professional (Exc. Practical Nurses)	33	38	5	6	11
Physicians &/or Surgeons	33	38	5	5	10
Community Organization Workers	7	8	1	1	2
All Other Professional Workers	88	97	9	11	20
TOTAL TECHNICAL WORKERS	97	109	12	20	32
Drafter	10	11	1	1	2
Surveyors (Exc. Surveyor Helpers)	10	11	1	1	2
All Other Engineering Technicians	5	5	0	0	0
Dental Assistants	30	34	4	8	12
Licensed Practical Nurses	8	9	1	2	3
Physician's Assistants	3	3	0	1	1
Radiologic Technicians	4	5	1	1	2
Dental Hygienists	12	14	2	3	5
Medical Laboratory Technologists	4	5	1	1	2
Medical Laboratory Technicians	9	10	1	2	3
All Medical & Dental Technicians	1	1	0	0	0
All Other Technicians	1	1	0	0	0
TOTAL SERVICE WORKERS	672	752	80	128	208
Janitors, Porters & Cleaners	13	15	2	2	4
Maids	113	125	12	27	39
All Other Janitors, Porters & Cleaners	34	39	5	6	11
All Guards & Doorkeepers	28	32	4	2	6
Bartenders	79	88	9	12	21
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	16	18	2	1	3
Kitchen Helpers	36	40	4	7	11
Waiters or Waitresses	70	78	8	16	24
Cooks, Restaurant (Exc. Supervisory Chefs)	27	30	3	4	7
Cooks, Institution	18	20	2	3	5
All Other Food Service Workers	29	32	3	4	7
Cosmetologists &/or Women's Hairstylists	68	77	9	18	27
Funeral Attendants	3	3	0	0	0
Housekeepers	35	39	4	7	11
Medical Assistants	18	21	3	4	7
All Other Service Workers	85	95	10	15	25
TOTAL MAINTENANCE & PRODUCTION WORKERS	223	250	27	24	51
Mechanics, Automotive	24	27	3	2	5
Body Repairers, Automotive	12	13	1	1	2
All Other Mechanics & Repairers	21	23	2	2	4
Cleaners, Vehicle	8	9	1	0	1
Maintenance Repairers, General Utility	25	28	3	2	5
Surveyor Helpers	12	13	1	1	2
Gardeners & Groundskeepers	28	32	4	5	9
All Other Skilled Craft Workers	42	47	5	5	10
All Other Operatives & Semiskilled Workers	44	50	6	6	12
All Other Laborers & Unskilled Workers	7	8	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCHISE COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL CLERICAL WORKERS	464	520	56	103	159
Computer Operators	18	20	2	2	4
All Other Office Machine Operators	11	12	1	3	4
Accounting Clerks	40	45	5	8	13
File Clerks	6	7	1	2	3
General Clerks, Office	39	44	5	9	14
Desk Clerks	66	73	7	14	21
Insurance Clerks, Medical	8	9	1	2	3
Payroll &/or Timekeeping Clerks	5	6	1	1	2
Receptionists	51	58	7	14	21
Secretaries	90	101	11	21	32
Switchboard Operator-Receptionists	9	10	1	2	3
Clerical Supervisors, Office or Plant	3	3	0	0	0
Teacher's Aides &/or Educational Assistants	10	11	1	2	3
All Other Office Clerical Workers	108	121	13	23	36
TOTAL SALES WORKERS	17	19	2	2	4
Sales Reps., Agents &/or Associates	15	17	2	2	4
All Other Sales Workers	2	2	0	0	0
TOTAL ALL OCCUPATIONS	1,956	2,192	236	345	581

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Engineers
Electrical & Electronic Engineers

All Other Professional Workers
Systems Analysts, Scientific & Technical
Architects (Exc. Landscape Architects)
Athletes
Caseworkers
Cost Estimators
Writers &/or Editors
Employment Interviewers
Law Clerks
Lawyers
Librarians, Professional
Optometrists (Exc. Opticians)
Personnel & Labor Relations Specialists
Physical Therapists
Public-Relations Practitioners
Tax Preparers
Respiratory Therapists

TECHNICAL WORKERS

All Other Engineering Technicians
Computer Programmers, Business
Computer Programmers, Scientific & Technical

SERVICE WORKERS

All Other Food Service Workers
Food Service Workers (Exc. Cashiers)
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop
Counter Attends., Lunch, Coffee Shop or Cafeteria
Cooks, Short Order &/or Specialty Fast Foods
Pantry, Sandwich &/or Coffee Makers

SERVICE WORKERS (CONTD.)

All Other Service Workers
Child-Care Attendants
Barbers
Bellhops, Porters, Doorkprs. & Rm. Srvce. Attdts.
Supervisors, Nonworking-Service
Nurse's Aides &/or Orderlies
Recreation Facility Attendants
Bootblacks
Guides, Sightseeing or Establishment
Child-Care Workers
Social Service Aides

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Electric-Motor Repairers
Mechanics, Maintenance (Exc. Millwrights)
TV, Radio &/or Tape Recorder Srvcrs. & Repairers

All Other Skilled Craft Workers
Developers &/or Projection Printers
Dry-Cleaning-Machine Operators
Pressers, Machine, Laundry
Shoe Repairers
Supervisors, Nonworking
Machinists
Photo Retouchers, Colorists & Airbrush Artists
Painters, Automotive
Motion Picture Projectionists
Dental-Laboratory Technicians
Sign Erectors
Opticians, Dispensing &/or Optical Mechanics
Furniture Upholsterers

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCHISE COUNTY (CONTD.)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Other Operatives & Semiskilled Workers
- Washers, Machine &/or Starchers
- Laundry Operators, Small Establishment
- Pressers, Hand
- Pressers, Machine (Exc. Laundry Pressers, Machine)
- Delivery & Route Workers
- Tire Fabricators &/or Repairers
- Welders & Flamecutters

All Other Laborers & Unskilled Workers
- Trades Helpers
- Pin Chasers

CLERICAL WORKERS

All Other Office Machine Operators
- Bookkeeping &/or Billing Machine Operators
- Keypunch Operators

All Other Clerical Workers
- Bookkeepers, Hand
- Call-Out Operators
- Cashiers (Inc. Cashier-Checkers)
- Collectors
- Counter Clerks
- Credit Reporters
- Typists (Inc. Clerk-Typists)

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCONINO COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	706	823	117	103	220
TOTAL PROFESSIONAL WORKERS	1,506	1,761	255	219	474
All Engineers	29	33	4	3	7
All Physical Scientists	9	11	2	1	3
All Natural & Mathematical Scientists	42	49	7	5	12
All Social Scientists	247	288	41	14	55
Teachers, Elementary &/or Preschool	96	112	16	18	34
All Other Teachers	234	274	40	46	86
All Photographers	13	15	2	1	3
Purchasing Agents &/or Buyers	7	8	1	1	2
Accountants & Auditors	58	68	10	9	19
Dentists	9	11	2	1	3
Writers &/or Editors	3	4	1	1	2
Lawyers	24	28	4	3	7
Librarians, Professional	3	4	1	1	2
Nurses, Professional (Exc. Practical Nurses)	41	49	8	8	16
Paralegal Personnel	19	22	3	2	5
Personnel & Labor Relations Specialists	10	12	2	1	3
Physicians &/or Surgeons	34	41	7	5	12
Sports Instructors	43	50	7	5	12
Community Organization Workers	113	132	19	21	40
Group Recreation Workers	66	77	11	10	21
All Other Professional Workers	406	473	67	63	130
TOTAL TECHNICAL WORKERS	174	207	33	29	62
Drafters	21	25	4	2	6
All Other Engineering Technicians	34	40	6	1	7
All Science Technicians	7	8	1	1	2
Dental Assistants	39	47	8	11	19
Dental Hygienists	20	24	4	5	9
Medical Laboratory Technicians	7	8	1	2	3
All Other Medical & Dental Technicians	9	11	2	3	5
All Other Technicians	37	44	7	4	11
TOTAL SERVICE WORKERS	2,874	3,327	453	558	1,011
Janitors, Porters & Cleaners	19	22	3	4	7
Maids	617	708	91	151	242
House Cleaners	52	61	9	11	20
All Other Janitors, Porters & Cleaners	149	173	24	28	52
Guards & Doorkeepers	79	93	14	5	19
Bartenders	74	85	11	11	22
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	127	146	19	7	26
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop	39	45	6	9	15
Kitchen Helpers	191	219	28	35	63
Waiters or Waitresses	351	402	51	79	130
Counter Attends., Lunch, Coffee Shop or Cafeteria	41	47	6	10	16
Cooks, Short Order &/or Specialty Fast Food	62	72	10	10	20
Cooks, Restaurant (Exc. Supervisory Chefs)	162	187	25	25	50
Pantry, Sandwich &/or Coffee Makers	33	38	5	6	11
Cooks, Institution	47	55	8	7	15
All Other Food Service Workers	46	53	7	7	14
Barbers	16	19	3	3	6
Bellhops, Porters, Doorkprs., & Rm. Srvce. Attdts.	26	30	4	2	6
Cosmetologists &/or Women's Hairstylists	46	54	8	12	20

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCONINO COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Supervisors, Nonworking-Service	38	44	6	4	10
Housekeepers	42	48	6	9	15
Recreation Facility Attendants	57	67	10	9	19
Ushers, Lobby Attendants, Ticket Takers	21	25	4	3	7
Child-Care Workers	60	70	10	16	26
Social Service Aides	157	184	27	29	56
Medical Assistants	26	31	5	6	11
All Other Service Workers	296	349	3	60	113
TOTAL MAINTENANCE & PRODUCTION WORKERS	1,066	1,242	176	131	307
Mechanics, Automotive	85	99	14	7	21
Mechanics, Maintenance (Exc. Millwrights)	23	27	4	2	6
All Other Mechanics & Repairers	79	91	12	5	17
All Darkroom Workers	19	23	4	2	6
Laundry Operators, Small Establishments	60	69	9	15	24
Pressers, Machine (Exc. Laundry Pressers, Machine)	6	7	1	1	2
Pressers, Machine, Laundry	15	18	3	4	7
Truck Drivers	13	15	2	1	3
Bus Drivers	89	103	14	12	26
Carpenters	12	14	2	2	4
Cleaners, Vehicle	29	34	5	2	7
Delivery & Route Workers	42	49	7	3	10
Electricians	14	16	2	1	3
Supervisors, Nonworking	17	20	3	2	5
Folders, Laundry	13	15	2	3	5
Maintenance Repairers, General Utility	121	139	18	11	29
Painters, Maintenance	9	10	1	1	2
Plumbers &/or Pipefitters	15	17	2	2	4
Opticians, Dispensing &/or Optical Mechanics	4	5	1	1	2
Gardeners & Groundskeepers	62	72	10	12	22
Bus Drivers, School	80	94	14	11	25
All Other Skilled Craft Workers	51	62	11	5	16
All Other Operatives & Semiskilled Workers	102	120	18	14	32
All Other Laborers & Unskilled Workers	106	123	17	12	29
TOTAL CLERICAL WORKERS	1,779	2,075	296	386	682
Bookkeeping &/or Billing Machine Operators	7	8	1	1	2
All Other Office Machine Operators	5	5	0	0	0
Accounting Clerks	91	106	15	18	33
Bookkeepers, Hand	98	115	17	20	37
Cashiers (Inc. Cashier-Checkers)	161	186	25	34	59
Counter Clerks	27	32	5	6	11
General Clerks, Office	125	147	22	28	50
Desk Clerks	223	256	33	48	81
Insurance Clerks, Medical	13	16	3	3	6
Payroll &/or Timekeeping Clerks	11	13	2	2	4
Personnel Clerks	26	30	4	7	11
Receptionists	103	122	19	28	47
Secretaries	257	301	44	60	104
Switchboard Operators	17	20	3	5	8
Travel Clerks	8	9	1	2	3
Typists (Inc. Clerk-Typists)	208	243	35	55	90
Clerical Supervisors, Office or Plant	68	79	11	8	19
Teacher's Aides &/or Ed. Assistants	217	254	37	39	76
All Other Office Clerical Workers	78	91	13	18	31
Stock Clerks	33	38	5	4	9
All Other Plant Clerical Workers	3	4	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCONINO COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL SALES WORKERS	211	244	33	28	61
Sales Reps., Agents &/or Associates	23	27	4	3	7
Sales Clerks (Exc. Cashiers)	184	212	28	24	52
All Other Sales Workers	4	5	1	1	2
TOTAL ALL OCCUPATIONS	8,316	9,679	1,363	1,454	2,817

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Engineers
Civil Engineers
Electrical & Electronic Engineers
Mechanical Engineers

All Natural & Mathematical Scientists
Statisticians
Biological Scientists

All Social Scientists
Psychologists
Urban & Regional Planners

All Other Teachers
Teachers, Voc. Ed. or Training
Teachers, Adult Education
Vocational & Educational Counselors

All Other Professional Workers
Systems Analysts, EDP
Systems Analysts, Business
Systems Analysts, Scientific & Technical
Architects (Exc. Landscape Architects)
Archivists
Budget Analysts
Media Buyers
Caseworkers
Chiropractors
Commercial Artists
Dance Instructors
Dietitians &/or Nutritionists
Embalmers
Employment Interviewers
Law Clerks
Optometrists (Exc. Opticians)
Physical Therapists
Public-Relations Practitioners
Designers (Exc. Design Engineers)
Tax Preparers

TECHNICAL WORKERS

All Other Engineering Technicians
Computer Programmers
Computer Programmers, Business
Engineering Technicians
Electrical & Electronic Technicians
Surveyors (Exc. Surveyor Helpers)

TECHNICAL WORKERS (CONTD.)

All Other Medical & Dental Technicians
Physician's Assistants
Radiologic Technicians
Medical Laboratory Technologists

All Other Technicians
Museum Technicians &/or Restorers
Technical Assistants, Library

SERVICE WORKERS

All Other Food Service Workers
Bakers, Bread &/or Pastry
Butchers &/or Meat Cutters
Food Prep. & Service Wrkrs., Fast Food Restrnt.

All Other Service Workers
Child-Care Attendants
Detectives
Funeral Attendants
Nurse's Aides &/or Orderlies
Phychiatric Aides
Game & Ride Operators & Concession Workers
Instructors, Reducing
Guides, Sightseeing or Establishment
Mortuary Beauticians

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Body Repairers, Automotive
Diesel Mechs. (Exc. Auto & Engineering Equip.)
Laundry-Machine Mechanics
Pinsetter Mechanics, Automatic
Office Machine &/or Cash Register Servicers
Refrigeration/Air Conditioning Mechanics
TV, Radio &/or Tape Recorder Srvcers. & Repairers
Data Processing Machine Repairers
Gas & Electric Appliance Repairers

All Other Skilled Craft Workers
Spotters, Dry Cleaning
Dry-Cleaning-Machine Operators
Machinists
Painters, Automotive
Motion Picture Projectionists
Dental Laboratory Technicians
Sign Erectors

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

COCONINO COUNTY (CONTD.)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

Stationary Engineers
Welders & Flamecutters
Furniture Upholsterers

All Other Operatives & Semiskilled Workers
Markers, Classifiers & Wet Wash Assemblers
Washers, Machine &/or Starchers
Pressers, Hand
Inspectors
Menders (Exc. Seamstress & Alteration Tailors)
Stationary Boiler Firers
Fuel Pump Attendants &/or Lubricators
Surveyor Helpers
Septic Tank Servicers &/or Sewer Pipe Cleaners
Saw Filers
Chauffeurs

All Other Laborers & Unskilled Workers
Trades Helpers
Production Packagers
Animal Caretakers
Pin Chasers

CLERICAL WORKERS

All Other Office Machine Operators
Computer Operators
Keypunch Operators

All Other Office Clerical Workers
Stenographers
Car Rental Clerks
Collectors
Desk Clerks, Bowling Floor
File Clerks
Library Assistants (Exc. Techs.)
Mail Clerks
Statistical Clerks
Switchboard Operator-Receptionists
Messengers

SALES WORKERS

All Other Sales Workers
Vendors

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

GILA COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	196	222	26	28	54
TOTAL PROFESSIONAL WORKERS	167	188	21	22	43
All Natural & Mathematical Scientists	3	3	0	0	0
All Social Scientists	4	5	1	0	1
All Teachers	9	10	1	1	1
Accountants & Auditors	22	25	3	3	6
Nurses, Professional (Exc. Practical Nurses)	12	14	2	2	4
Physicials & Surgeons	15	17	2	2	4
All Other Professional Workers	102	114	12	14	26
TOTAL TECHNICAL WORKERS	34	39	5	8	13
All Engineering Technicians	2	2	0	0	0
Dental Assistants	9	10	1	3	4
Licensed Practical Nurses	13	15	2	3	5
All Other Medical & Dental Technicians	10	12	2	2	4
TOTAL SERVICE WORKERS	477	536	59	93	152
Maids	51	56	5	12	17
House Cleaners	10	11	1	2	3
All Other Janitors, Porters & Cleaners	63	71	8	11	19
All Guards & Doorkeepers	14	16	2	1	3
Bartenders	18	20	2	3	5
Kitchen Helpers	24	27	3	4	7
Waiters & Waitresses	33	37	4	7	11
Cooks, Short Order &/or Specialty Fast Foods	14	16	2	2	4
Cooks, Restaurant (Exc. Supervisory Chefs)	12	13	1	2	3
Cooks, Institution	15	17	2	2	4
All Other Food Service Workers	11	12	1	1	2
Cosmetologists &/or Women's Hairstylists	25	28	3	7	10
Medical Assistants	12	14	2	3	5
All Other Service Workers	175	198	23	36	59
MAINTENANCE & PRODUCTION WORKERS	118	131	13	11	24
Mechanics, Automotive	15	17	2	1	3
All Other Mechanics & Repairers	11	12	1	1	2
Maintenance Repairers, General Utility	26	29	3	2	5
Gardeners & Groundskeepers	9	10	1	2	3
All Other Skilled Craft Workers	23	25	2	2	4
All Other Operatives & Semiskilled Workers	20	23	3	2	5
All Other Laborers & Unskilled Workers	14	15	1	1	2
TOTAL CLERICAL WORKERS	390	440	50	85	135
All Office Machine Operators	1	1	0	0	0
Bookkeepers, Hand	22	25	3	4	7
General Clerks, Office	42	48	6	9	15
Desk Clerks	21	23	2	4	6
Insurance Clerks, Medical	9	10	1	2	3
Receptionists	25	29	4	7	11
Secretaries	65	74	9	15	24
Typists (Inc. Clerk-Typists)	68	77	9	18	27
All Other Office Clerical Workers	134	150	16	26	42
All Plant Clerical Workers	3	3	0	0	0
TOTAL SALES WORKERS	44	50	6	6	12
TOTAL ALL OCCUPATIONS	1,426	1,606	180	253	433

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Teachers
- Vocational & Educational Counselors
- Teachers, Elementary &/or Preschool

All Other Professional Workers
- Purchasing Agents &/or Buyers
- Caseworkers
- Dentists
- Dietitians &/or Nutritionists
- Lawyers
- Librarians, Professional
- Optometrists (Exc. Opticians)
- Personnel & Labor Relations Specialists
- Public-Relations Practitioners
- Community Organization Workers
- Group Recreation Workers

TECHNICAL WORKERS

All Other Medical & Dental Technicians
- Radiologic Technicians
- Dental Hygienists
- Medical Laboratory Technicians

SERVICE WORKERS

All Other Food Service Workers
- Bakers, Bread &/or Pastry
- Dining Rm./Cafeteria Attends. & Bartdr. Helpers
- Hosts/Hostesses, Restaurant, Lounge or Coffee Shop
- Counter Attends., Lunch, Coffee Shop or Cafeteria

All Other Service Workers
- Child-Care Attendants
- Funderal Attendants
- Housekeepers
- Nurse's Aides &/or Orderlies
- Recreation Facility Attendants
- Ushers, Lobby Attendants & Ticket Takers
- Child-Care Workers
- Lifeguards
- Social Service Aides

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
- Body Repairers, Automotive

All Other Skilled Craft Workers
- Bus Drivers
- Carpenters (Exc. Cabinetmakers)
- Electricians
- Supervisors, Nonworking
- Machinists
- Painters, Automotive
- Plumbers &/or Pipefitters
- Opticians, Dispensing &/or Optical Mechanics

All Other Operatives & Semiskilled Workers
- Laundry Operators, Small Establishments
- Surveyor Helpers

All Other Laborers & Unskilled Workers
- Trades Helpers
- Painters, Maintenance (Exc. Production Painter)

CLERICAL WORKERS

All Other Office Clerical Workers
- Stenographers
- Accounting Clerks
- Cashiers (Inc. Cashier-Checkers)
- Collectors
- File Clerks
- Mail Clerks
- Order Clerks
- Payroll &/or Timekeeping Clerks
- Personnel Clerks
- Statistical Clerks
- Switchboard Operators
- Switchboard Operator-Receptionists
- Clerical Supervisors, Office or Plant
- Teacher's Aides &/or Educational Assistants

SALES WORKERS

- Sales Clerks (Exc. Cashiers)

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

GRAHAM & GREENLEE COUNTIES

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	50	57	7	7	14
TOTAL PROFESSIONAL WORKERS	69	75	6	6	12
All Teachers	6	6	0	0	0
Accountants & Auditors	6	6	0	0	0
Nurses, Professional (Exc. Practical Nurses)	23	27	4	5	9
Physicians &/or Surgeons	10	11	1	1	2
All Other Professional Workers	24	25	1	0	1
TOTAL TECHNICAL WORKERS	43	48	5	9	14
All Engineering Technicians	6	6	0	0	0
Dental Assistants	18	21	3	5	8
Licensed Practical Nurses	8	9	1	2	3
Dental Hygienists	3	3	0	1	1
All Other Medical & Dental Technicians	8	9	1	1	2
TOTAL SERVICE WORKERS	257	292	35	53	88
Maids	38	43	5	10	15
All Other Janitors, Porters & Cleaners	12	13	1	2	3
Bartenders	16	18	2	3	5
Kitchen Helpers	22	25	3	4	7
Waiters or Waitresses	52	60	8	12	20
Cooks, Restaurant (Exc. Supervisory Chefs)	20	23	3	3	6
All Other Food Service Workers	25	28	3	4	7
Cosmetologists &/or Women's Hairstylists	15	17	2	4	6
Medical Assistants	6	7	1	1	2
All Other Service Workers	51	58	7	10	17
TOTAL MAINTENANCE & PRODUCTION WORKERS	68	74	6	5	11
Mechanics, Automotive	6	7	1	0	1
Body Repairers, Automotive	9	10	1	1	2
All Other Mechanics & Repairers	9	10	1	0	1
Gardeners & Groundskeepers	4	4	0	0	0
All Other Skilled Craft Workers	11	12	1	1	2
All Operatives & Semiskilled Workers	25	27	2	3	5
All Other Laborers & Unskilled Workers	4	4	0	0	0
TOTAL CLERICAL WORKERS	125	140	15	26	41
All Office Machine Operators	4	4	0	0	0
Bookkeepers, Hand	15	17	2	3	5
File Clerks	5	5	0	2	2
General Clerks, Office	11	12	1	2	3
Desk Clerks	10	12	2	2	4
Insurance Clerks, Medical	4	5	1	1	2
Receptionists	19	22	3	5	8
Secretaries	22	25	3	5	8
All Other Office Clerical Workers	35	38	3	6	9
TOTAL ALL OCCUPATIONS	612	686	74	106	180

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Other Professional Workers
- Caseworkers
- Dentists
- Dietitions &/or Nutritionists
- Embalmers
- Musicians, Instrumental
- Optometrists (Exc. Opticians)

PROFESSIONAL WORKERS (CONTD.)

- Personnel & Labor Relations Specialists
- Public Relations Practitioners
- Community Organization Workers
- Tax Preparers
- Manual-Arts, Music &/or Recreation Therapists
- Corrective Therapists

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

GRAHAM & GREENLEE COUNTIES (CONTD.)

TECHNICAL WORKERS

All Other Medical & Dental Technicians
Physician's Assistants
Radiologic Technicians
Medical Laboratory Technologists
Medical Laboratory Technicians

SERVICE WORKERS

All Other Food Service Workers
Dining Rm./Cafeteria Attends. & Bartdr. Helpers
Counter Attends., Lunch, Coffee Shop or Cafeteria
Cooks, Short Order &/or Specialty Fast Foods
Cooks, Institution

All Other Service Workers
Bellhops, Porters, Doorkprs. & Rm. Srvce. Attdts.
Supervisors, Nonworking-Service
Funeral Attendants
Housekeepers
Nurse's Aides &/or Orderlies
Child-Care Workers

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Electric-Motor Repairers
Pinsetter Mechanics, Automatic

All Skilled Craft Workers
Bus Drivers
Maintenance Repairers, General Utility
Motion Picture Projectionists
Alteration Tailors (Exc. Menders & Custom Sewers)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Operatives & Semiskilled Workers
Washers, Machine &/or Starchers
Laundry Operators, Small Establishment
Pressers, Hand
Pressers, Machine (Exc. Laundry Pressers, Machine)
Delivery & Route Workers
Exterminators
Inspectors
Glass Installers
Chauffeurs

All Other Laborers & Unskilled Workers
Painters, Maintenance (Exc. Production Painters)
Pin Chasers

CLERICAL WORKERS

All Other Office Clerical Workers
Stenographers
Accounting Clerks
Call-Out Operators
Cashiers
Counter Clerks
Credit Reporters
In-File Operators
Payroll &/or Timekeeping Clerks
Personnel Clerks
Switchboard Operator-Receptionists
Typists (Inc. Clerk-Typists)
Clerical Supervisors
Teacher's Aides &/or Ed. Assistants

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	10,986	13,548	2,562	1,627	4,189
TOTAL PROFESSIONAL WORKERS	18,073	22,228	4,155	2,615	6,770
Engineers (Inc. Sales Engineers)	73	91	18	5	23
Civil Engineers	437	542	105	60	165
Electrical & Electronic Engineers	553	679	126	34	160
Mechanical Engineers	275	339	64	18	82
All Other Engineers	172	213	41	12	53
Financial Analysts	49	60	11	5	16
Statisticians	20	24	4	3	7
Chemists	23	28	5	3	8
Geologists & Geophysicists	22	27	5	2	7
All Other Natural & Mathematical Scientists	39	48	9	6	15
Market Research Analysts	161	197	36	18	54
Psychologists	119	145	26	11	37
Sociologists (Exc. Caseworkers)	11	14	3	1	4
Urban & Regional Planners	10	12	2	1	3
All Other Social Scientists	31	38	7	3	10
Systems Analysts, EDP	48	60	12	2	14
Systems Analysts, Business	347	425	78	16	94
Systems Analysts, Scientific & Technical	89	109	20	4	24
Teachers, Voc. Ed. or Training	110	137	27	23	50
Teachers, Adult Education	181	225	44	21	65
Vocational & Educational Counselors	169	209	40	25	65
Teachers, Elementary & Preschool	714	886	172	139	311
All Other Teachers	86	107	21	20	41
Photographers	56	68	12	6	18
Photographers, Portrait &/or Commercial	157	195	38	17	55
All Other Photographers	31	38	7	3	10
Purchasing Agents &/or Buyers	128	158	30	17	47
Accountants & Auditors	1,873	2,320	447	288	735
Actors or Actresses	53	66	13	6	19
Landscape Architects	62	77	15	8	23
Architects (Exc. Landscape Architects)	318	395	77	43	120
Announcers	4	5	1	0	1
Athletes	32	40	8	4	12
Budget Analysts	18	22	4	3	7
Media Buyers	40	49	9	6	15
Directors, Camp	6	7	1	1	2
Caseworkers	519	639	120	96	216
Chiropractors	61	74	13	19	32
Clergy	79	98	19	13	32
Commercial Artists	290	354	64	53	117
Cost Estimators	7	9	2	2	4
Dance Instructors	146	181	35	34	69
Dancers	27	34	7	9	16
Dentists	473	572	99	48	147
Dietitions &/or Nutritionists	70	86	16	15	31
Writers &/or Editors	142	174	32	26	58
Embalmers	70	87	17	7	24
Employment Interviewers	485	592	107	59	166
Law Clerks	152	189	37	17	54
Lawyers	1,568	1,946	378	178	556
Librarians, Professional	28	35	7	7	14
Media Analysts	17	21	4	2	6
Curators, Museum	6	7	1	1	2
Music Directors	6	7	1	1	2
Musicians, Instrumental	397	493	96	60	156
Nurses, Professional (Exc. Practical Nurses)	2,101	2,555	454	418	872
Occupational Therapists	35	42	7	6	13

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Optometrists (Exc. Opticians)	117	141	24	18	42
Paralegal Personnel	307	381	74	34	108
Personnel & Labor Relations Specialists	350	433	83	43	126
Physical Therapists	193	234	41	31	72
Physicians &/or Surgeons	1,316	1,591	275	201	476
Podiatrists	72	87	15	14	29
Public-Relations Practitioners	198	245	47	31	78
Reporters & Correspondents	28	34	6	5	11
Sports Instructors	229	285	56	26	82
Singers	6	7	1	1	2
Designers (Exc. Design Engineers)	243	299	56	21	77
Community Organization Workers	193	240	47	36	83
All Therapists	28	34	6	5	11
Tax Preparers	237	294	57	36	93
Group Recreation Workers	343	425	82	51	133
Manual-Arts, Music &/or Recreation Therapists	4	5	1	1	2
Speech Pathologists &/or Audiologists	16	19	3	3	6
All Other Professional Workers	997	1,224	227	153	380
TOTAL TECHNICAL WORKERS	7,432	9,077	1,645	1,234	2,879
Computer Programmers	84	105	21	4	25
Computer Programmers, Business	445	543	98	23	121
Computer Programmers, Scientific & Technical	40	49	9	2	11
Engineering Technicians	76	95	19	7	26
Drafters	1,382	1,712	330	117	447
Electrical & Electronic Technicians	323	398	75	19	94
Surveyors (Exc. Surveyor Helpers)	278	344	66	19	85
Mechanical Engineering Technicians	19	23	4	1	5
Specification Writers, Engineering	9	11	2	1	3
Civil Engineering Technicians	157	194	37	22	59
All Other Engineering Technicians	247	302	55	27	82
Science Technicians	35	43	8	3	11
Dental Assistants	1,020	1,233	213	288	501
Licensed Practical Nurses	1,154	1,404	250	266	516
Physician's Assistants	60	73	13	14	27
Radiological Technicians	323	391	68	54	122
Medical-Record Librarians	31	38	7	8	15
Dental Hygienists	481	582	101	111	212
Medical Laboratory Technologists	290	351	61	55	116
Microbiology Technologists	27	33	6	5	11
Cytotechnologists	15	18	3	3	6
Histologic Technologists	20	24	4	4	8
Medical Laboratory Technicians	307	371	64	73	137
Electrocardiograph Technicians	53	64	11	8	19
Dietetic Technicians	17	21	4	4	8
Blood Bank Technology Specialists	48	58	10	7	17
Physical Therapy Assistants	156	189	33	13	46
Radiologic &/or Nuclear Medical Technicians	41	50	9	7	16
All Other Medical & Dental Technicians	95	115	20	46	66
All Other Technicians	199	243	44	23	67
TOTAL SERVICE WORKERS	30,665	37,911	7,246	5,925	13,171
Janitors, Porters & Cleaners	152	189	37	29	66
Maids	3,051	3,809	758	767	1,525
House Cleaners	832	1,029	197	183	380
All Other Janitors, Porters & Cleaners	3,517	4,308	791	660	1,451
Guards & Doorkeepers	3,060	3,747	687	184	871
Food Service Workers (Exc. Cashiers)	192	235	43	36	79
Bakers, Bread &/or Pastry	26	33	7	5	12
Bartenders	652	814	162	98	260

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	913	1,143	230	54	284
Butchers &/or Meat Cutters	11	14	3	1	4
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop	192	241	49	44	93
Kitchen Helpers	1,248	1,548	300	234	534
Waiters or Waitresses	2,447	3,061	614	563	1,177
Counter Attends., Lunch, Coffee Shop, or Cafeteria	207	258	51	50	101
Cooks Short Order &/or Specialty Fast Foods	182	226	44	29	73
Cooks, Restaurant (Exc. Supervisory Chefs)	653	818	165	105	270
Food Prep. & Service Workers, Fast Food Restrnt.	148	184	36	28	64
Pantry, Sandwich &/or Coffee Makers	208	260	52	39	91
Cooks, Institution	367	453	86	59	145
All Other Food Service Workers	110	135	25	21	46
Child Care Attendants	341	423	82	95	177
Barbers	456	566	110	78	188
Bellhops, Porters, Doorkprs, & Rm. Srvce. Attdts.	257	323	66	19	85
Cosmetologists &/or Women's Hairstylists	2,423	3,007	584	665	1,249
Detectives	58	71	13	3	16
Supervisors, Nonworking-Service	513	635	122	59	181
Funeral Attendants	55	68	13	3	16
Housekeepers	316	393	77	66	143
Manicurists	173	215	42	47	89
Masseurs or Masseuses	33	41	8	7	15
Nurse's Aides &/or Orderlies	2,210	2,685	475	500	975
Protective-Signal Operators	56	68	12	12	24
Recreation Facility Attendants	803	997	194	122	316
Game & Ride Operators & Concession Workers	487	604	117	79	196
Scalp Treatment Operators	14	17	3	4	7
Ushers, Lobby Attendants, Ticket Takers	236	293	57	35	92
Wig Dressers	18	22	4	5	9
Shampooers	57	71	14	16	30
Instructors, Reducing	365	453	88	76	164
Child-Care Workers	1,026	1,273	247	286	533
Lifeguards	109	136	27	17	44
Checkroom & Locker Room Attendants	113	140	27	24	51
Social Service Aides	251	311	60	47	107
Medical Assistants	1,033	1,249	216	244	460
Occupational Therapy Aides	8	10	2	2	4
Mortuary Beauticians	6	7	1	1	2
All Other Service Workers	1,080	1,328	248	224	472
TOTAL MAINTENANCE & PRODUCTION WORKERS	17,755	21,923	4,168	2,194	6,362
Protective-Signal Installers &/or Repairers	89	109	20	5	25
Mechanics, Automotive	1,217	1,509	292	103	395
Body Repairers, Automotive	403	500	97	33	130
Diesel Mechs. (Exc. Auto & Eng. Equip. Mechs.)	180	222	42	16	58
Electric-Motor Repairers	218	270	52	21	73
Electric-Tool Repairers	17	21	4	2	6
Laundry-Machine Mechanics	25	31	6	2	8
Mechanics, Maintenance (Exc. Millwrights)	267	326	59	25	84
Pinsetter Mechanics, Automatic	52	65	13	5	18
Refrigeration/Air Conditioning Mechanics	87	108	21	8	29
TV, Radio &/or Tape Recorder Srvcrs. & Repairers	93	115	22	6	28
Data Processing Machine Repairers	37	45	8	2	10
Gas & Electric Appliance Repairers	90	112	22	11	33

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
All Other Mechanics & Repairers	307	379	72	30	102
Developers &/or Production Printers	200	244	44	23	67
Negative Cutters &/or Spotters	28	34	6	4	10
Multiple-Photographic-Printer Operators	76	93	17	11	28
Print Developers, Machine	34	42	8	5	13
Photo Checkers & Assemblers	47	58	11	7	18
Copy Camera Operators	50	61	11	7	18
All Other Darkroom Workers	9	11	2	2	4
Markers, Classifiers, Wet Wash Assemblers	119	148	29	31	60
Spotters, Dry Cleaning	31	38	7	6	13
Washers, Machine &/or Starchers	226	278	52	59	111
Tumbler Operators	24	30	6	6	12
Dry-Cleaning-Machine Operators	94	117	23	17	40
Dry-Cleaners, Hand	11	14	3	2	5
Laundry Operators, Small Establishment	226	283	57	59	116
Pressers, Hand	60	74	14	16	30
Pressers, Machine (Exc. Laundry Pressers, Machine)	186	231	45	34	79
Pressers, Machine, Laundry	275	342	67	72	139
Rug Cleaners, Hand	60	74	14	11	25
Rug Cleaners, Machine	53	66	13	10	23
Shoe Repairers	36	45	9	11	20
Truck Drivers	579	711	132	44	176
Blueprinting Machine Operators	107	131	24	15	39
Bus Drivers	44	55	11	6	17
Carpenters (Exc. Cabinetmakers)	125	153	28	16	44
Cleaners, Vehicle	864	1,072	208	48	256
Compositors &/or Typesetters	27	33	6	4	10
Delivery & Route Workers	780	958	178	56	234
Electricians	76	93	17	8	25
Exterminators	397	485	88	47	135
Filers, Grinders & Buffers (Exc. Lens)	16	20	4	1	5
Supervisors, Nonworking	366	452	86	42	128
Folders, Laundry	51	63	12	11	23
Industrial Truck Operators	44	54	10	3	13
Inspectors	70	86	16	10	26
Instrument Repairers	6	7	1	1	2
Jewelers &/or Silversmiths	17	21	4	3	7
Machinists	68	84	16	7	23
Maintenance Repairers, General Utility	1,145	1,423	278	109	387
Trades Helpers	189	234	45	22	67
Menders (Exc. Seamstresses & Alteration Tailors)	20	25	5	3	8
Order Fillers	25	31	6	2	8
Photo Retouchers/Colorists & Airbrush Artists	109	133	24	20	44
Painters, Automotive	171	212	41	20	61
Painters, Maintenance (Exc. Production Painters)	78	96	18	10	28
Parking Lot Attendants	118	147	29	11	40
Plumbers &/or Pipefitters	58	71	13	6	19
Press Operators &/or Plate Printers	19	23	4	2	6
Production Packagers, Hand or Machine	79	98	19	13	32
Motion Picture Projectionists	88	109	21	21	42
Dental Laboratory Technicians	314	380	66	43	109
Sewing Machine Opers., Reg. Equip.-Garment	10	12	2	1	3
Sewing Machine Opers., Reg. Equip.-Nongarment	20	25	5	3	8
Sewing Machine Opers., Spec. &/or Auto. Equip. Nongarment	8	10	2	1	3
Alteration Tailors (Exc. Menders & Custom Sewers)	24	30	6	4	10

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Animal Caretakers	138	171	33	29	62
Termite Treaters	25	31	6	3	9
Tire Fabricators &/or Repairers	124	154	30	15	45
Trailor-Rental Attendants	35	43	8	7	15
Welders & Flamecutters	306	379	73	36	109
Pin Chasers	75	93	18	11	29
Fuel Pump Attendants &/or Lubricators	105	130	25	12	37
Opticians, Dispensing &/or Optical Mechanics	51	62	11	9	20
Furniture Upholsterers	125	155	30	20	50
Surveyor Helpers	213	264	51	25	76
Baker Helpers	13	16	3	2	5
Automobile Seat Cover & Top Installers	97	120	23	6	29
Glass Installers	78	97	19	8	27
Rental Car Deliverers	106	132	26	13	39
Gardeners & Groundskeepers	1,417	1,759	342	285	627
Chauffeurs	102	126	24	15	39
Bus Drivers, School	37	46	9	5	14
All Other Skilled Craft Workers	495	611	116	49	165
All Other Operatives & Semiskilled Workers	740	910	170	85	255
All Other Laborers & Unskilled Workers	2,434	2,992	558	284	842
TOTAL CLERICAL WORKERS	25,869	31,821	5,952	5,719	11,671
Bookkeeping &/or Billing Machine Operators	273	335	62	53	115
Computer Operators	583	715	132	66	198
Keypunch Operators	739	903	164	166	330
Peripheral EDP Equipment Operators	56	68	12	14	26
Inserting &/or Labeling Machine Operators	27	33	6	8	14
Duplicating Machine Operators	43	53	10	11	21
All Other Office Machine Operators	163	199	36	47	83
Stenographers	272	334	62	59	121
Accounting Clerks	1,209	1,491	282	246	528
Bookkeepers, Hand	1,515	1,866	351	309	660
Call-Out Operators	20	24	4	4	8
Car Rental Clerks	343	426	83	96	179
Cashiers (Inc. Cashier-Checkers)	1,066	1,324	258	227	485
Collectors	288	352	64	44	108
Counter Clerks	307	381	74	67	141
Desk Clerks, Bowling Floor	127	158	31	19	50
Credit Reporters	113	138	25	25	50
Media Clerks, Estimators &/or Billers	10	12	2	0	2
File Clerks	558	682	124	159	283
General Clerks, Office	2,697	3,314	617	602	1,219
Desk Clerks	777	976	199	170	369
In-File Operators	51	62	11	11	22
Library Assistants (Exc. Techs.)	8	10	2	2	4
Mail Clerks	145	177	32	26	58
Insurance Clerks, Medical	343	415	72	76	148
Order Clerks	93	114	21	20	41
Payroll &/or Timekeeping Clerks	353	436	83	66	149
Personnel Clerks	149	184	35	43	78
Receptionists	2,109	2,569	460	569	1,029
Secretaries	4,888	6,035	1,147	1,161	2,308
Statistical Clerks	61	75	14	14	28
Survey Workers	938	1,145	207	153	360
Switchboard Operators	745	914	169	207	376
Switchboard Operator-Receptionists	604	743	139	164	303
Messengers	110	137	27	14	41
Travel Clerks	29	36	7	7	14
Typists (Inc. Clerk-Typists)	1,415	1,739	324	379	703
Clerical Supervisors, Office-Plant	457	561	104	58	162

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Teacher's Aides &/or Ed. Assistants	232	288	56	42	98
All Other Office Clerical Workers	855	1,048	193	189	382
Production Clerks &/or Coordinators	233	285	52	26	78
Shipping Packers	53	66	13	6	19
Shipping &/or Receiving Clerks	154	190	36	14	50
Stock Clerks	513	630	117	60	177
Dispatchers	113	139	26	13	39
All Other Plant Clerical Workers	32	39	7	7	14
SALES WORKERS	3,529	4,349	820	479	1,299
Sales Reps., Agents &/or Associates	1,884	2,322	438	250	688
Contribution Solicitors	49	61	12	7	19
All Other Sales Reps., Agents &/or Associates	132	164	32	22	54
Sales Clerks (Exc. Cashiers)	1,360	1,675	315	180	495
Demonstrators	61	74	13	11	24
All Other Sales Workers	43	53	10	9	19
TOTAL ALL OCCUPATIONS	114,309	140,857	26,548	19,793	46,341

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Other Engineers
- Aeronautical Engineers
- Chemical Engineers
- Industrial Engineers
- Metal Engineers
- Mining Engineers
- Safety Engineers
- Traffic Engineers

All Other Natural & Math Scientists
- Actuaries
- Agricultural Scientists
- Biological Scientists

All Other Social Scientists
- Economists

All Other Professional Workers
- Appraisers (Exc. Art. & Real Estate Appraisers)
- Archivests
- Choirmasters
- Coaches, Professional Athletes (Exc. Head Coaches)
- Comedians
- Film Editors
- Pharmacists
- Director of Religious Activities
- Umpires
- Veterinarians
- Athletic Trainers
- Audiometrists

SERVICE WORKERS

All Other Service Workers
- Cremators
- Escorts &/or Chaperons
- Guides, Sightseeing or Establishment

TECHNICAL WORKERS

All Other Engineering Technicians
- Traffic Technicians
- Industrial Engineering Technicians

All Other Medical & Dental Technicians
- Biochemistry Technologists
- Electroencephalograph Technicians

All Other Technicians
- Mathematical Technicians
- Museum Technicians &/or Restorers
- Technical Assistants, Library
- Taxidermists
- Pharmacy Helpers

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
- Bicycle Repairers
- Camera Repairers
- Electrical Instrument Repairers
- Locksmiths
- Office Machine &/or Cash Register Servicers
- Coin/Vending-Machine Servicers & Repairers

All Other Darkroom Workers
- Photographer Helpers

All Other Skilled Craft Workers
- Spotters, Washable Materials
- Fur Cleaners
- Automobile Repairs-Service Estimators
- Merchandise Displayers & Window Trimmers
- Musical Instrument Repairers
- Custom Sewers (Exc. Alteration Tailors & Menders)
- Sign Erectors
- Stationary Engineers
- Watchmakers

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MARICOPA COUNTY (CONTD.)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

Rackers, Poolroom
Furniture Finishers

All Other Operatives & Semiskilled Workers
Billposters
Fumigators
Sewing Machine Opers., Special Equip.-Garment
Stationary Boiler Firers
Septic Tank Servicers &/or Sewer Pipe Cleaners
Testers
Picture Framers
Bindery Workers, Assembly
Ambulance Drivers &/or Attendants

All Other Laborers & Unskilled Workers
Termite Treater Helpers

CLERICAL WORKERS

All Other Office Machine Operators
Addressing-Machine Operators

All Other Office Clerical Workers
Actuarial Clerks
Film Bookers
Foreign Credit Reporters
Travel Counselors, Auto Club
Eligibility Workers, Welfare
Proofreaders, Clerical

SALES WORKERS

All Other Sales Workers
Vendors

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

NAVAJO COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	279	315	36	40	76
TOTAL PROFESSIONAL WORKERS	735	831	96	109	205
All Engineers	21	24	3	2	5
Natural & Mathematical Scientists	14	16	2	1	3
All Social Scientists	14	16	2	1	3
Teachers, Elementary &/or Preschool	32	36	4	6	10
All Other Teachers	148	167	19	21	40
Accountants & Auditors	28	32	4	4	8
Caseworkers	80	90	10	14	24
Dentists	6	7	1	1	2
Dietitians &/or Nutritionists	5	6	1	1	2
Law Clerks	5	6	1	1	2
Lawyers	12	14	2	1	3
Librarians, Professional	3	3	0	1	1
Nurses, Professional (Exc. Practical Nurses)	31	36	5	6	11
Paralegal Personnel	4	5	1	0	1
Personnel & Labor Relations Specialists	6	7	1	1	2
Physicians &/or Surgeons	21	24	3	3	6
Community Organization Workers	34	38	4	6	10
All Therapists	8	9	1	1	2
All Other Professional Workers	263	295	32	38	70
TOTAL TECHNICAL WORKERS	117	133	16	19	35
Electrical & Electronic Technicians	12	14	2	1	3
All Other Engineering Technicians	18	20	2	1	3
All Science Technicians	11	12	1	1	2
Radiologic Technicians	6	7	1	1	2
Dental Hygienists	8	9	1	2	3
All Other Medical & Dental Technicians	61	70	9	13	22
All Technicians	1	1	0	0	0
TOTAL SERVICE WORKERS	1,204	1,359	155	229	384
Maids	186	208	22	45	67
All Other Janitors, Porters & Cleaners	79	89	10	16	26
All Guards & Doorkeepers	79	90	11	5	16
Bartenders	18	20	2	3	5
Kitchen Helpers	59	66	7	11	18
Waiters or Waitresses	115	129	14	26	40
Cooks, Restaurant (Exc. Supervisory Chefs)	57	64	7	9	16
Cooks, Institution	87	98	11	14	25
All Other Food Service Workers	100	112	12	14	26
Cosmetologists &/or Women's Hairstylists	36	41	5	10	15
Supervisors, Nonworking-Service	27	31	4	3	7
Housekeepers	5	6	1	1	2
Nurse's Aides &/or Orderlies	19	22	3	4	7
Child-Care Workers	39	44	5	11	16
Social Service Aides	127	144	17	23	40
Medical Assistants	14	16	2	3	5
All Other Service Workers	157	179	22	31	53
TOTAL MAINTENANCE & PRODUCTION WORKERS	1,315	1,484	169	147	316
Mechanics, Automotive	34	38	4	3	7
Body Repairers, Automotive	12	14	2	1	3
All Other Mechanics & Repairers	65	73	8	5	13
Laundry Operators, Small Establishment	9	10	1	2	3
Carpenters (Exc. Cabinetmakers)	16	18	2	2	4
Electricians	13	15	2	1	3
Supervisors, Nonworking	43	49	6	5	11
Maintenance Repairers, General Utility	159	179	20	15	35
Painters, Maintenance (Exc. Production Painters)	9	10	1	1	2

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

NAVAJO COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Dental-Laboratory Technicians	9	10	1	1	2
Gardeners & Groundskeepers	23	26	3	5	8
Bus Drivers, School	34	38	4	4	8
All Other Skilled Craft Workers	136	154	18	17	35
All Other Operatives & Semiskilled Workers	425	479	54	48	102
All Other Laborers & Unskilled Workers	328	371	43	37	80
TOTAL CLERICAL WORKERS	893	1,009	116	190	306
All Office Machine Operators	7	8	1	1	2
Stenographers	7	8	1	1	2
Accounting Clerks	38	43	5	8	13
Bookkeepers, Hand	18	20	2	4	6
General Cerks, Office	61	69	8	13	21
Desk Clerks	46	51	5	10	15
Insurance Clerks, Medical	7	8	1	2	3
Payroll &/or Timekeeping Clerks	7	8	1	1	2
Personnel Clerks	6	7	1	2	3
Receptionists	35	40	5	9	14
Secretaries	136	154	18	32	50
Typists (Inc. Clerk-Typists)	61	69	8	16	24
Clerical Supervisors, Office or Plant	23	26	3	3	6
All Other Office Clerical Workers	421	475	54	86	140
All Plant Clerical Workers	20	23	3	2	5
TOTAL SALES WORKERS	59	67	8	8	16
All Sales Reps., Agents &/or Associates	7	8	1	1	2
All Other Sales Workers	52	59	7	7	14
TOTAL ALL OCCUPATIONS	4,602	5,198	596	742	1,338

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Engineers
- Civil Engineers
- Electrical & Electronic Engineers

All Natural & Mathematical Scientists
- Statisticians

All Social Scientists
- Psychologists

All Other Teachers
- Teachers, Vocational Education or Training
- Teachers, Adult Education
- Vocational & Educational Counselors

All Other Professional Workers
- Systems Analysts, EDP
- Purchasing Agents &/or Buyers
- Chiropractors
- Clergy
- Writers &/or Editors
- Embalmers
- Musicians, Instrumental
- Optometrists (Exc. Opticians)
- Public-Relations Practitioners
- Directors of Religious Activities

PROFESSIONAL WORKERS (CONTD.)

- Sports Instructors
- Veterinarians
- Tax Preparers
- Group Recreation Workers

All Therapists
- Occupational Therapists

TECHNICAL WORKERS

All Other Engineering Technicians
- Computer Programmers
- Drafters
- Surveyors (Exc. Surveyor Helpers)

All Other Medical & Dental Technicians
- Dental Assistants
- Licensed Practical Nurses
- Physician's Assistants
- Medical & Dental Technicians & Technologists
- Medical Laboratory Technologists
- Medical Laboratory Technicians

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

NAVAJO COUNTY (CONTD.)

SERVICE WORKERS

All Other Janitors, Porters & Cleaners
House Cleaners

All Other Food Service Workers
Dining Rm./Cafeteria Attends. & Bartdr. Helpers
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop
Cooks, Short Order &/or Specialty Fast Foods
Pantry, Sandwich &/or Coffee Makers

All Other Service Workers
Child-Care Attendants
Barbers
Funeral Attendants
Recreation Facility Attendants
Game & Ride Operators & Concession Workers
Ushers, Lobby Attendants, Ticket Takers
Mortuary Beauticians

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Diesel Mechs. (Exc. Auto & Eng. Equip. Mech.)
Laundry-Machine Mechanics
Mechanics, Maintenance (Exc. Millwrights)
Pinsetter Mechanics, Automatic
TV, Radio &/or Tape Recorder Servicers & Repairers

All Other Skilled Craft Workers
Spotters, Dry Cleaning
Spotters, Washable Materials
Dry-Cleaning-Machine Operators
Dry-Cleaners, Hand
Pressers, Machine, Laundry
Bus Drivers
Compositors &/or Typesetters
Painters, Automotive
Plumbers &/or Pipefitters
Press Operators &/or Plate Printers
Motion Picture Projectionists
Stationary Engineers

All Other Operatives & Semiskilled Workers
Markers, Classifiers, Wet Wash Assemblers
Washers, Machine &/or Starchers
Pressers, Machine (Exc. Laundry Pressers, Machine)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

Truck Drivers
Delivery & Route Workers
Exterminators
Inspectors
Stationary Boiler Firers
Fuel Pump Attendants &/or Lubricators
Surveyor Helpers
Chauffeurs

All Other Laborers & Unskilled Workers
Folders, Laundry
Trades Helpers
Order Fillers
Production Packagers, Hand or Machine
Pin Chasers

CLERICAL WORKERS

All Office Machine Operators
Bookkeeping &/or Billing Machine Operators
Computer Operators

All Other Office Clerical Workers
Cashiers (Inc. Cashier-Checkers)
Counter Clerks
Desk Clerks, Bowling Floor
Media Clerks, Estimators, &/or Billers
File Clerks
Library Assistants (Exc. Techs.)
Mail Clerks
Order Clerks
Statistical Clerks
Switchboard Operators
Switchboard Operator-Receptionists
Teacher's Aides &/or Educational Assistants

All Plant Clerical Workers
Stock Clerks, Stockroom, Warehouse or Storage Yard
Dispatchers, Vehicle, Service or Work

SALES WORKERS

All Other Sales Workers
Sales Clerks (Exc. Cashiers)

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MOHAVE COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	214	252	38	31	69
TOTAL PROFESSIONAL WORKERS	230	272	42	35	77
All Engineers	1	1	0	0	0
All Social Scientists	2	2	0	0	0
All Teachers	11	13	2	2	4
Accountants & Auditors	31	36	5	5	10
Chiropracters	5	6	1	2	3
Dentists	6	7	1	1	2
Lawyers	11	13	2	1	3
Nurses, Professional (Exc. Practical Nurses)	34	41	7	7	14
Paralegal Personnel	4	5	1	0	1
Physicians &/or Surgeons	34	41	7	5	12
All Other Professional Workers	91	107	16	12	28
TOTAL TECHNICAL WORKERS	125	150	25	29	54
All Engineering Technicians	13	15	2	1	3
Dental Assistants	66	80	14	19	33
Licensed Practical Nurses	20	24	4	5	9
Radiologic Technicians	3	4	1	0	1
Dental Hygienists	9	11	2	2	4
Medical Laboratory Technicians	4	5	1	1	2
All Other Medical & Dental Technicians	5	5	0	0	0
All Other Technicians	5	6	1	1	2
TOTAL SERVICE WORKERS	918	1,067	149	183	332
Maids	293	339	46	72	118
House Cleaners	12	14	2	3	5
All Other Janitors, Porters & Cleaners	46	54	8	8	16
Guards & Doorkeepers	42	49	7	2	9
Bartenders	51	59	8	8	16
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	45	52	7	3	10
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop	7	8	1	2	3
Kitchen Helpers	65	76	11	12	23
Waiters or Waitresses	121	140	19	27	46
Cooks, Restaurant (Exc. Supervisory Chefs)	41	47	6	6	12
Cooks, Institution	13	15	2	2	4
All Other Food Service Workers	22	25	3	4	7
Cosmetologists &/or Women's Hairstylists	48	57	9	13	22
Supervisors, Nonworking-Service	8	9	1	1	2
Housekeepers	17	20	3	3	6
Medical Assistants	22	27	5	5	10
All Other Service Workers	65	76	11	12	23
TOTAL MAINTENANCE & PRODUCTION WORKERS	358	417	59	45	104
Mechanics, Automotive	20	24	4	2	6
Diesel Mechs. (Exc. Auto & Eng. Equip. Mechs.)	14	17	3	1	4
Mechanics, Maintenance (Exc. Millwrights)	16	19	3	2	5
All Other Mechanics & Repairers	32	37	5	2	7
Laundry Operators, Small Establishment	30	35	5	8	13
Delivery & Route Workers	7	8	1	0	1
Supervisors, Nonworking	6	7	1	1	2
Maintenance Repairers, General Utility	70	81	11	7	18
Painters, Automotive	5	6	1	1	2
Opticians, Dispensing &/or Optical Mechanics	9	11	2	2	4
Gardeners & Groundskeepers	42	49	7	8	15
All Other Skilled Craft Workers	23	25	2	2	4
All Other Operatives & Semiskilled Workers	36	42	6	4	10
All Other Laborers & Unskilled Workers	48	56	8	5	13

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MOHAVE COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL CLERICAL WORKERS	464	547	83	104	187
All Office Machine Operators	4	5	1	0	1
Accounting Clerks	13	15	2	3	5
Bookkeepers, Hand	29	34	5	6	11
Cashiers, (Inc. Cashier-Checkers)	41	48	7	9	16
Counter Clerks	8	9	1	2	3
File Clerks	7	8	1	2	3
General Clerks, Office	32	38	6	7	13
Desk Clerks	108	125	17	23	40
Insurance Clerks, Medical	8	10	2	2	4
Payroll &/or Timekeeping Clerks	7	8	1	1	2
Receptionists	48	58	10	13	23
Secretaries	81	96	15	19	34
Switchboard Operator-Receptionists	10	12	2	3	5
All Other Office Clerical Workers	54	64	10	13	23
Stock Clerks, Stockroom, Warehouse or Storage Yard	10	12	2	1	3
All Plant Clerical Workers	4	5	1	0	1
TOTAL SALES WORKERS	43	51	8	6	14
Sales Reps., Agents &/or Associates	14	17	3	2	5
Sales Clerks (Exc. Cashiers)	29	34	5	4	9
TOTAL ALL OCCUPATIONS	2,352	2,756	404	433	837

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Teachers
- Teachers, Elementary &/or Preschool

All Other Professional Workers
- Purchasing Agents &/or Buyers
- Architects (Exc. Landscape Architects)
- Case Workers
- Embalmers
- Law Clerks
- Optometrists (Exc. Opticians)
- Personnel & Labor Relations Specialists
- Sports Instructors
- Tax Preparers
- Group Recreation Workers
- Manual-Arts, Music &/or Rec. Therapists

TECHNICAL WORKERS

All Engineering Technicians
- Drafters
- Electrical & Electronic Technicians
- Surveyors (Exc. Surveyor Helpers)

SERVICE WORKERS

All Other Janitors, Porters & Cleaners
- Janitors, Porters & Cleaners

All Other Food Service Workers
- Counter Attends., Lunch, Coffee Shop or Cafeteria
- Cooks, Short Order &/or Specialty Fast Foods
- Food Prep. & Service Wrkrs., Fast Food Restaurants
- Pantry, Sandwich &/or Coffee Makers

SERVICE WORKERS (CONTD.)

All Other Service Workers
- Child Care Attendants
- Bellhops, Porters, Doorkprs. & Rm. Srvce. Attdts.
- Funeral Attendants
- Nurse's Aides &/or Orderlies
- Recreation Facility Attendants
- Ushers, Lobby Attendants & Ticket Takers
- Instructors, Reducing
- Child-Care Workers
- Lifeguards

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
- Body Repairers, Automotive
- Electric-Motor Repairers
- Electric-Tool Repairers
- Pinsetter Mechanics, Automatic
- Gas & Electric Appliance Repairers

All Other Skilled Craft Workers
- Spotters, Dry Cleaning
- Dry-Cleaning-Machine Operators
- Pressers, Machine, Laundry
- Bus Drivers
- Carpenters (Exc. Cabinetmakers)
- Electricians
- Machinists
- Plumbers &/or Pipefitters
- Motion Picture Projectionists
- Dental-Laboratory Technicians
- Termite Treaters
- Bus Drivers, School

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

MOHAVE COUNTY (CONTD.)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Other Operatives & Semiskilled Workers
Markers, Classifiers, Wet Wash Assemblers
Washers, Machine &/or Starchers
Pressers, Machine (Exc. Laundry Pressers, Machine)
Exterminators
Welders & Flamecutters
Surveyor Helpers
Septic Tank Servicers &/or Sewer Pipe Cleaners

All Other Laborers & Unskilled Workers
Cleaners, Vehicle
Folders, Laundry
Trades Helpers
Order Fillers
Animal Caretakers

CLERICAL WORKERS

All Other Office Clerical Workers
Stenographers
Car Rental Clerks
Desk Clerks, Bowling Floor
Mail Clerks
Personnel Clerks
Switchboard Operators
Typists (Inc. Clerk-Typists)
Clerical Supervisors, Office or Plant
Teacher's Aides &/or Educational Assistants

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PIMA COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	3,355	4,045	690	494	1,184
TOTAL PROFESSIONAL WORKERS	6,329	7,549	1,220	922	2,142
Chemical Engineers	31	38	7	2	9
Civil Engineers	232	279	47	32	79
Electrical & Electronic Engineers	170	208	38	10	48
Mechanical Engineers	113	137	24	7	31
Metal Engineers	22	27	5	1	6
All Other Engineers	115	139	24	10	34
Chemists	39	48	9	5	14
Geologists & Geophysicists	24	29	5	2	7
All Other Physical Scientists	47	57	10	3	13
All Other Natural & Mathematical Scientists	12	15	3	2	5
Market Research Analysts	41	51	10	5	15
Psychologists	17	20	3	2	5
Systems Analysts, Business	49	61	12	2	14
Systems Analysts, Scientific & Technical	54	67	13	2	15
Teachers, Voc. Ed. or Training	29	35	6	6	12
Teachers, Adult Education	94	113	19	11	30
Vocational & Educational Counselors	144	173	29	21	50
Teachers, Elementary &/or Preschool	363	436	73	70	143
All Other Teachers	24	29	5	6	11
Photographers	40	49	9	4	13
Purchasing Agents &/or Buyers	43	52	9	6	15
Accountants & Auditors	611	735	124	93	217
Actors & Actresses	71	85	14	8	22
Landscape Architects	11	13	2	1	3
Architects (Exc. Landscape Architects)	87	105	18	12	30
Media Buyers	12	15	3	2	5
Caseworkers	450	538	88	83	171
Chiropractors	9	10	1	3	4
Commercial Artists	26	32	6	5	11
Dance Instructors	61	73	12	14	26
Dentists	129	147	18	13	31
Dietitians &/or Nutritionists	13	15	2	3	5
Writers &/or Editors	46	57	11	8	19
Embalmers	11	13	2	1	3
Employment Interviewers	45	56	11	6	17
Law Clerks	81	97	16	9	25
Lawyers	325	391	66	37	103
Librarians, Professional	9	11	2	2	4
Media Analysts	9	11	2	1	3
Curators, Museum	11	13	2	1	3
Music Directors	4	5	1	1	2
Musicians, Instrumental	130	156	26	19	45
Nurses, Professional (Exc. Practical Nurses)	646	755	109	127	236
Optometrists (Exc. Opticians)	41	47	6	6	12
Paralegal Personnel	69	83	14	8	22
Personnel & Labor Relations Specialists	57	69	12	7	19
Physical Therapists	54	61	7	9	16
Physicians &/or Surgeons	646	735	89	97	186
Public-Relations Practitioners	81	99	18	13	31
Sports Instructors	228	276	48	26	74
Designers (Exc. Design Engineers)	38	47	9	3	12
Community Organization Workers	83	100	17	15	32
Tax Preparers	76	91	15	12	27
Group Recreation Workers	152	183	31	22	53
Manual-Arts, Music &/or Rec. Therapists	19	22	3	3	6
All Other Therapists	12	13	1	1	2
All Other Professional Workers	273	327	54	42	96

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PIMA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL TECHNICAL WORKERS	2,507	2,963	456	408	864
Computer Programmers	4	5	1	0	1
Computer Programmers, Business	62	77	15	3	18
Computer Programmers, Scientific & Tech.	28	34	6	1	7
Drafters	444	536	92	37	129
Electrical & Electronic Technicians	113	139	26	7	33
Surveyors (Exc. Surveyor Helpers)	149	179	30	10	40
Civil Engineering Technicians	65	78	13	9	22
All Other Engineering Technicians	194	238	44	19	63
Science Technicians	20	25	5	2	7
Physical Science Technicians	27	32	5	2	7
All Other Science Technicians (Exc. Med. & Dental)	20	24	4	2	6
Dental Assistants	281	319	38	78	116
Licensed Practical Nurses	374	441	67	85	152
Physician's Assistants	37	42	5	9	14
Radiologic Technicians	70	80	10	11	21
Medical-Record Librarians	62	71	9	16	25
Dental Hygienists	145	165	20	33	53
Medical Laboratory Technologists	78	89	11	14	25
Biochemistry Technologists	8	9	1	1	2
Microbiology Technologists	11	13	2	2	4
Medical Laboratory Technicians	77	88	11	18	29
Physical Therapy Assistants	34	39	5	3	8
Radiologic &/or Nuclear Medical Techs.	37	42	5	6	11
All Other Medical & Dental Technicians	85	97	12	31	43
All Other Technicians	82	101	19	9	28
TOTAL SERVICE WORKERS	9,400	11,464	2,064	1,853	3,917
Janitors, Porters & Cleaners	94	113	19	18	37
Maids	794	1,002	208	200	408
House Cleaners	213	269	56	47	103
All Other Janitors, Porters & Cleaners	899	1,111	212	169	381
Guards & Doorkeepers	612	761	149	37	186
Food Service Workers (Exc. Cashiers)	78	96	18	15	33
Bartenders	285	351	66	43	109
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	272	333	61	16	77
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop	35	45	10	8	18
Kitchen Helpers	423	516	93	79	172
Waiters or Waitresses	770	963	193	177	370
Counter Attends., Lunch, Coffee Shop or Cafeteria	43	53	10	10	20
Cooks, Short Order &/or Specialty Fast Foods	45	55	10	7	17
Cooks, Restaurant (Exc. Supervisory Chefs)	229	287	58	37	95
Food Prep. & Service Wrkrs., Fast Food Restaurants	108	130	22	20	42
Pantry, Sandwich &/or Coffee Makers	55	70	15	10	25
Cooks, Institution	150	179	29	24	53
All Other Food Service Workers	9	11	2	1	3
Child Care Attendants	131	157	26	36	62
Barbers	77	93	16	13	29
Bellhops, Porters, Doorkprs. or Rm. Srvce. Attdts.	84	108	24	6	30
Cosmetologists &/or Women's Hairstylists	822	988	166	223	389
Dectectives	11	14	3	1	4
Supervisors, Nonworking-Service	110	135	25	13	38
Funeral Attendants	37	44	7	2	9
Housekeepers	133	161	28	28	56
Manicurists	49	59	10	13	23

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PIMA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Nurse's Aides &/or Orderlies	750	859	109	167	276
Protective-Signal Operators	23	29	6	5	11
Recreation Facility Attendants	275	332	57	42	99
Ushers, Lobby Attendants & Ticket Takers	140	168	28	21	49
Shampooers	9	11	2	2	4
Instructors, Reducing	46	55	9	9	18
Child-Care Workers	425	511	86	117	203
Lifeguards	55	67	12	8	20
Checkroom & Locker-Room Attendants	64	77	13	13	26
Social Service Aides	319	381	62	59	121
Medical Assistants	311	356	45	72	117
All Other Service Workers	415	514	99	85	184
TOTAL MAINTENANCE & PRODUCTION WORKERS	5,084	6,152	1,068	634	1,702
Protective-Signal Installers &/or Repairers	43	54	11	2	13
Mechanics, Automotive	438	527	89	37	126
Body Repairers, Automotive	98	118	20	8	28
Diesel Mechs. (Exc. Auto & Eng. Equip. Mechs.)	34	41	7	3	10
Electric-Motor Repairers	41	49	8	4	12
Electric-Tool Repairers	8	10	2	1	3
Laundry-Machine Mechanics	12	14	2	1	3
Locksmiths	32	38	6	3	9
Mechanics, Maintenance (Exc. Millwrights)	78	96	18	7	25
Pinsetter Mechanics, Automatic	19	23	4	2	6
TV, Radio &/or Tape Recorder Srvcrs. & Repairers	22	26	4	2	6
Gas & Electric Appliance Repairers	26	31	5	3	8
All Other Mechanics & Repairers	60	73	13	5	18
Developers &/or Projection Printers	19	24	5	2	7
Negative Cutters &/or Spotters	9	11	2	1	3
All Other Darkroom Workers	51	63	12	7	19
Markers, Classifiers, Wet Wash Assemblers	44	53	9	11	20
Spotters, Dry Cleaning	16	19	3	3	6
Spotters, Washable Materials	7	8	1	2	3
Washers, Machine &/or Starchers	78	91	13	20	33
Tumbler Operators	4	5	1	1	2
Dry-Cleaning-Machine Operators	26	31	5	5	10
Laundry Operators, Small Establishment	95	120	25	25	50
Pressers, Hand	18	22	4	5	9
Pressers, Machine (Exc. Laundry Pressers, Machine)	76	91	15	14	29
Pressers, Machine, Laundry	57	69	12	15	27
Rug Cleaners, Hand	32	38	6	6	12
Rug Cleaners, Machine	17	20	3	3	6
Shoe Repairers	18	22	4	6	10
Truck Drivers	62	75	13	5	18
Bus Drivers	28	34	6	4	10
Carpenters (Exc. Cabinetmakers)	32	38	6	4	10
Cleaners, Vehicle	289	347	58	16	74
Compositors &/or Typesetters	5	6	1	1	2
Delivery & Route Workers	216	261	45	15	60
Electricians	17	21	4	2	6
Exterminators	146	182	36	17	53
Supervisors, Nonworking	163	197	34	19	53
Folders, Laundry	35	42	7	8	15
Inspectors	49	60	11	7	18
Instrument Repairers	93	112	19	9	28
Machinists	48	53	10	5	15
Maintenance Repairers, General Utility	336	411	75	32	107
Trades Helpers	64	77	13	7	20

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PIMA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Menders (Exc. Seamstresses & Alteration Tailors)	20	24	4	3	7
Painters, Automotive	62	75	13	7	20
Painters, Maintenance (Exc. Production Painters)	4	5	1	1	2
Parking Lot Attendants	20	24	4	2	6
Plumbers &/or Pipefitters	3	4	1	0	1
Press Operators &/or Plate Printers	15	19	4	1	5
Production Packagers, Hand or Machine	38	45	7	6	13
Motion Picture Projectionists	41	49	8	10	18
Dental Laboratory Technicians	106	121	15	14	29
Alteration Tailors (Exc. Menders & Custom Sewers)	10	12	2	2	4
Termite Treators	28	35	7	3	10
Termite Treater Helpers	12	15	3	1	4
Tire Fabricators &/or Repairers	27	32	5	3	8
Welders & Flamecutters	45	54	9	5	14
Pin Chasers	14	17	3	2	5
Rackers, Poolroom	13	16	3	2	5
Fuel Pump Attendants &/or Lubricators	23	28	5	3	8
Opticians, Dispensing &/or Optical Mechanics	77	88	11	13	24
Furniture Upholsterers	67	81	14	11	25
Surveyor Helpers	152	183	31	18	49
Auto Seat Cover & Top Installers	39	47	8	3	11
Glass Installers	62	75	13	6	19
Rental Car Deliverers	27	32	5	3	8
Gardeners & Groundskeepers	339	412	73	68	141
Chauffeurs	28	34	6	4	10
Bindery Workers, Assembly	5	6	1	0	1
All Other Skilled Craft Workers	231	284	53	24	77
All Other Operatives & Semiskilled Workers	183	224	41	21	62
All Other Laborers & Unskilled Workers	332	403	71	43	114
TOTAL CLERICAL WORKERS	6,467	7,771	1,304	1,443	2,747
Bookkeeping &/or Billing Machine Operators	52	62	10	10	20
Computer Operators	90	110	20	10	30
Keypunch Operators	109	131	22	24	46
Duplicating Machine Operators	40	50	10	10	20
All Other Office Machine Operators	37	45	8	10	18
Stenographers	54	65	11	12	23
Accounting Clerks	313	377	64	63	127
Bookkeepers, Hand	535	643	108	108	216
Car Rental Clerks	73	88	15	20	35
Cashiers (Inc. Cashier-Checkers)	312	378	66	66	132
Collectors	41	51	10	6	16
Counter Clerks	167	201	34	36	70
Desk Clerks, Bowling Floor	29	35	6	4	10
File Clerks	105	124	19	30	49
General Clerks, Office	661	795	134	147	281
Desk Clerks	176	227	51	39	90
Mail Clerks	15	18	3	3	6
Insurance Clerks, Medical	103	117	14	23	37
Order Clerks	18	22	4	4	8
Payroll &/or Timekeeping Clerks	85	103	18	16	34
Personnel Clerks	19	23	4	5	9
Receptionists	708	823	115	189	304
Secretaries	1,327	1,592	265	313	578
Statistical Clerks	18	21	3	4	7
Survey Workers	48	60	12	8	20
Switchboard Operators	159	198	39	44	83
Switchboard Operator-Receptionists	182	218	36	49	85

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PIMA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Messengers	21	25	4	3	7
Travel Clerks	5	6	1	1	2
Typists (Inc. Clerk-Typists)	301	364	63	80	143
Clerical Supervisors, Office or Plant	88	106	18	11	29
Teacher's Aides &/or Ed. Assistants	170	204	34	31	65
All Other Office Clerical Workers	175	210	35	37	72
Production Clerks &/or Coordinators	37	45	8	4	12
Shipping Packers	31	38	7	4	11
Shipping &/or Receiving Clerks	33	40	7	3	10
Stock Clerks, Stockroom, Warehouse or Storage Yard	104	125	21	12	33
Dispatchers	16	19	3	2	5
All Other Plant Clerical Workers	10	12	2	2	4
TOTAL SALES WORKERS	707	865	158	98	256
Sales Reps., Agents &/or Associates	465	570	105	64	169
Contribution Solicitors	16	19	3	2	5
Sales Clerks (Exc. Cashiers)	177	215	38	23	61
Demonstrators	49	61	12	9	21
TOTAL ALL OCCUPATIONS	33,849	40,809	6,960	5,852	12,812

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Other Engineers
- Aeronautical Engineers
- Industrial Engineers
- Mining Engineers
- Safety Engineers

All Other Physical Scientists
- Physicians

All Other Natural & Mathematical Scientists
- Statisticians

All Other Therapists
- Occupational Therapists
- Speech Pathologists &/or Audiologists
- Corrective Therapists
- Respiratory Therapists

All Other Professional Workers
- Economists
- Urban & Regional Planners
- Systems Analysts, EDP
- Archivists
- Announcers
- Athletes
- Budget Analysts
- Directors, Camp
- Clergy
- Cost Estimators
- Dancers
- Painters, Artistic
- Pharmacists
- Podiatrists
- Singers
- Athletic Trainers

TECHNICAL WORKERS

All Other Engineering Technicians
- Mechanical Engineering Technicians
- Specification Writers, Engineering
- Industrial Engineering Technicians

All Other Medical & Dental Technicians
- Surgical Technicians
- Pharmacy Helpers
- Cytotechnologists
- Histologic Technologists
- Electrocardiograph Technicians
- Electroencephalograph Technicians
- Dietetic Technicians

All Other Technicians
- Museum Technicians &/or Restorers

SERVICE WORKERS

All Other Food Service Workers
- Bakers, Bread &/or Pastry

All Other Service Workers
- Costumers
- Escorts &/or Chaperons
- Psychiatric Aides
- Game & Ride Operators & Concession Workers
- Scalp Treatment Operators
- Wig Dressers
- Guides, Sightseeing or Establishment
- Occupational Therapy Aides
- Mortuary Beauticians

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PIMA COUNTY (CONTD.)

CLERICAL WORKERS

All Other Office Machine Operators
Peripheral EDP Equipment Operators

All Other Office Clerical Workers
Credit Reporters
Media Clerks, Estimators &/or Billers
Library Assistants (Exc. Tech.)
Procurement Clerks
Travel Counselors, Auto Club
Eligibility Workers, Welfare

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Electrical Instrument Repairers
Gunsmiths
Office Machine &/or Cash Register Servicers
Refrigeration/Air Conditioning Mechanics
Coin/Vending-Machine Servicers & Repairers
Data Processing Machine Repairers

All Other Darkroom Workers
Multiple-Photographic-Printer Operators
Print Developers, Machine
Photo Checkers & Assemblers
Copy Camera Operators

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Other Skilled Craft Workers
Jewelers &/or Silversmiths
Photo Retouchers/Colorists & Airbrush Artists
Sign Erectors
Watchmakers
Bus Drivers, School

All Other Operatives & Semiskilled Workers
Billposters
Blueprinting Machine Operators
Fumigators
Sewing Machine Opers., Special Equip.-Garment
Sewing Machine Opers., Reg. Equip.-Nongarment
Septic Tank Servicers &/or Sewer Pipe Cleaners
Testers

All Other Laborers & Unskilled Workers
Order Fillers
Animal Caretakers

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PINAL COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	257	301	44	38	82
TOTAL PROFESSIONAL WORKERS	501	588	87	70	157
All Engineers	13	16	3	0	3
Teachers, Elementary &/or Preschool	18	21	3	3	6
All Photographers	1	1	0	0	0
Accountants & Auditors	23	27	4	3	7
Caseworkers	18	21	3	3	6
Dentists	16	19	3	2	5
Lawyers	23	27	4	3	7
Nurses, Professional (Exc. Practical Nurses)	26	31	5	5	10
Optometrists	14	17	3	2	5
Personnel & Labor Relations Specialists	11	13	2	1	3
Physicians &/or Surgeons	33	39	6	5	11
Sports Instructors	7	8	1	1	2
All Therapists	11	14	3	1	4
All Other Professional Workers	287	334	47	41	88
TOTAL TECHNICAL WORKERS	133	155	22	22	44
All Engineering Technicians	24	27	3	2	5
All Science Technicians	2	2	0	0	0
Dental Assistants	16	19	3	4	7
Licensed Practical Nurses	18	21	3	4	7
Radiologic Technicians	3	4	1	0	1
Dental Hygienists	11	13	2	3	5
Medical Lab Technicians	4	5	1	1	2
All Other Medical & Dental Technicians	27	31	4	5	9
All Other Technicians	28	33	5	3	8
TOTAL SERVICE WORKERS	410	476	66	83	149
Janitors, Porters & Cleaners	49	57	8	9	17
Maids	49	56	7	12	19
Guards & Doorkeepers	15	18	3	1	4
Bartenders	26	30	4	4	8
Kitchen Helpers	31	36	5	6	11
Waiters or Waitresses	51	59	8	11	19
Cooks, Restaurant (Exc. Supervisory Chefs)	26	30	4	4	8
Cooks, Institutions	17	20	3	3	6
All Other Food Service Workers	27	32	5	4	9
Cosmetologists &/or Women's Hairstylists	59	69	10	16	26
Housekeepers	4	5	1	1	2
Child-Care Workers	10	12	2	3	5
Medical Assistants	11	13	2	3	5
All Other Service Workers	35	39	4	6	10
TOTAL MAINTENANCE & PRODUCTION WORKERS	271	316	45	33	78
Mechanics, Automotive	22	26	4	2	6
All Other Mechanics & Repairers	17	20	3	1	4
Laundry Operators, Small Establishment	6	7	1	2	3
Machinists	10	12	2	1	3
Maintenance Repairers, General Utility	22	26	4	2	6
Trades Helpers	30	35	5	3	8
Motion Picture Projectionists	6	7	1	1	2
Gardeners & Groundskeepers	36	42	6	7	13
All Other Skilled Craft Workers	89	103	14	10	24
All Other Operatives & Semiskilled Workers	25	29	4	3	7
All Other Laborers & Unskilled Workers	8	9	1	1	2
TOTAL CLERICAL WORKERS	430	508	78	95	173
All Office Machine Operators	20	24	4	3	7
Accounting Clerks	25	29	4	5	9

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PINAL COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Bookkeepers, Hand	16	19	3	3	6
Cashiers (Inc. Cashier-Checkers)	32	38	6	7	13
General Clerks, Office	17	20	3	4	7
Desk Clerks	18	21	3	4	7
Insurance Clerks, Medical	11	13	2	2	4
Payroll &/or Timekeeping Clerks	4	5	1	1	2
Receptionists	35	42	7	9	16
Secretaries	137	161	24	32	56
Switchboard Operator-Receptionists	10	12	2	3	5
Typists (Inc. Clerk Typists)	29	34	5	8	13
All Other Office Clerical Workers	69	81	12	13	25
All Other Plant Clerical Workers	7	9	2	1	3
TOTAL SALES WORKERS	10	12	2	1	3
Sales Clerks (Exc. Cashiers)	9	11	2	1	3
All Sales Reps., Agents &/or Associates	1	1	0	0	0
TOTAL ALL OCCUPATIONS	2,012	2,356	344	342	686

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Therapists
Manual-Arts, Music &/or Rec. Therapists
Respiratory Therapists

All Other Professional Workers
Psychologists
Vocational & Education Counselors
Architects (Exc. Landscape Architects)
Choirmasters
Cost Estimators
Dietitions &/or Nutritionists
Embalmers
Law Clerks
Musicians, Instrumental
Paralegal Personnel
Public-Relations Practitioners
Community Organization Workers
Group Recreation Workers

TECHNICAL WORKERS

All Engineering Technicians
Drafters
Surveyors (Exc. Surveyor Helpers)
Civil Engineering Technicians

All Other Medical & Dental Technicians
Physician's Assistants
Medical-Record Librarians
Medical Laboratory Technologists
Dietetic Technicians

SERVICE WORKERS

All Other Food Service Workers
Dining Rm./Cafeteria Attends. & Bartdr. Helpers
Hosts/Hostesses, Restaurant, Lounge or Coffee Shops
Counter Attends., Lunch, Coffee Shop or Cafeteria

SERVICE WORKERS (CONTD.)

All Other Service Workers
Child-Care Attendants
Barbers
Supervisors, Nonworking-Service
Funeral Attendants
Nurse's Aides &/or Orderlies
Recreation Facility Attendants
Ushers, Lobby Attendants & Ticket Takers
Social Service Aides

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Body Repairers, Automotive
Farm Equipment Mechanics
Mechanics, Maintenance (Exc. Millwrights)
Pinsetter Mechanics, Automatic
Refrigeration/Air Conditioning Mechanics

All Other Skilled Craft Workers
Bus Drivers
Dry-Cleaning-Machine Operators
Carpenters (Exc. Cabinetmakers)
Electricians
Supervisors, Nonworking
Painters, Automotive
Alteration Tailors (Exc. Menders & Custom Sewers)
Welders & Flamecutters
Opticians, Dispensing &/or Optical Mechanics
Bus Drivers, School

All Other Operatives & Semiskilled Workers
Pressers, Machine (Exc. Laundry Pressers, Machine)
Truck Drivers
Delivery & Route Workers
Chauffeurs

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

PINAL COUNTY (CONTD.)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Other Laborers & Unskilled Workers
Animal Caretakers
Pin Chasers

CLERICAL WORKERS

All Other Office Machine Operators
Bookkeeping &/or Billing Machine Operators
Computer Operators
Duplicating Machine Operators

CLERICAL WORKERS (CONTD.)

All Other Office Clerical Workers
Collectors
Counter Clerks
File Clerks
Mail Clerks
Order Clerks
Personnel Clerks
Statistical Clerks
Clerical Supervisors, Office or Plant
Teacher's Aides &/or Ed. Assistants
Stock Clerks

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

SANTA CRUZ COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	53	61	8	8	16
TOTAL PROFESSIONAL WORKERS	89	103	14	14	28
Accountants & Auditors	17	20	3	3	6
Physicials &/or Surgeons	8	9	1	1	2
Sports Instructors	3	3	0	0	0
All Other Professional Workers	61	71	10	10	20
TOTAL TECHNICAL WORKERS	9	9	0	1	1
All Engineering Technicians	4	4	0	0	0
All Other Technicians	5	5	0	1	1
TOTAL SERVICE WORKERS	366	413	47	67	114
Maids	66	74	8	16	24
All Other Janitors, Porters & Cleaners	11	12	1	2	3
All Guards & Doorkeepers	1	1	0	0	0
Bartenders	21	24	3	3	6
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	28	32	4	2	6
Hosts/Hostesses, Restaurant, Lounge or Coffee Shop	9	10	1	2	3
Kitchen Helpers	50	57	7	9	16
Waiters or Waitresses	70	79	9	16	25
Cooks, Short Order &/or Specialty Fast Foods	7	8	1	1	2
Cooks, Restaurant (Exc. Supervisory Chefs)	33	37	4	5	9
All Other Food Service Workers	11	13	2	2	4
Bellhops, Porters, Doorkprs. & Rm. Srvce. Attdts.	17	19	2	1	3
Housekeepers	5	6	1	1	2
Medical Assistants	7	8	1	2	3
All Other Service Workers	30	33	3	5	8
TOTAL MAINTENANCE & PRODUCTION WORKERS	150	170	20	21	41
All Mechanics & Repairers	14	16	2	1	3
Laundry Operators, Small Establishment	15	17	2	4	6
Maintenance Repairers, General Utility	39	44	5	4	9
Gardeners & Groundskeepers	21	24	3	4	7
All Other Skilled Craft Workers	12	14	2	2	4
All Other Operatives & Semiskilled Workers	46	52	6	6	12
All Other Laborers & Unskilled Workers	3	3	0	0	0
TOTAL CLERICAL WORKERS	137	157	20	28	48
Accounting Clerks	12	14	2	2	4
Bookkeepers, Hand	10	12	2	2	4
Cashiers (Inc. Cashier-Checkers)	7	8	1	1	2
General Clerks, Office	29	34	5	6	11
Desk Clerks	26	29	3	6	9
Receptionists	15	18	3	4	7
Secretaries	17	20	3	4	7
All Other Office Clerical Workers	18	19	1	3	4
All Other Plant Clerical Workers	3	3	0	0	0
TOTAL SALES WORKERS	5	6	1	1	2
TOTAL ALL OCCUPATIONS	809	919	110	140	250

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

SANTA CRUZ COUNTY (CONTD.)

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Other Professional Workers
- Teachers, Elementary &/or Preschool
- Caseworkers
- Dentists
- Embalmers
- Law Clerks
- Lawyers
- Nurses, Professional (Exc. Practical Nurses)
- Public-Relations Practitioners
- Community Organization Workers
- Tax Preparers
- Group Recreation Workers

SERVICE WORKERS

All Other Food Service Workers
- Food Prep. & Service Wrkrs., Fast Food Restaurant
- Pantry, Sandwich &/or Coffee Makers
- Cooks, Institution

All Other Service Workers
- Cosmetologists &/or Women's Hairstylists
- Supervisors, Nonworking-Service
- Funeral Attendants
- Manicurists
- Recreation Facility Attendants
- Shampooers
- Social Service Aides

CLERICAL WORKERS

All Other Office Clerical Workers
- Desk Clerks, Bowling Floor
- File Clerks
- Payroll &/or Timekeeping Clerks
- Switchboard Operator-Receptionists
- Typists (Inc. Clerk-Typists)
- Clerical Supervisors, Office or Plant
- Teacher's Aides &/or Ed. Assistants

MAINTENANCE & PRODUCTION WORKERS

All Mechanics & Repairers
- Mechanics, Automotive
- Body Repairers, Automotive

All Other Skilled Craft Workers
- Dry-Cleaning-Machine Operators
- Painters, Automotive
- Welders & Flamecutters

All Other Operatives & Semiskilled Workers
- Rug Cleaners, Hand
- Truck Drivers
- Exterminators
- Parking Lot Attendants
- Fuel Pump Attendants &/or Lubricators
- Surveyor Helpers
- Chauffeurs

SALES WORKERS

Contribution Solicitors

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YAVAPAI COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	180	209	29	26	55
TOTAL PROFESSIONAL WORKERS	291	337	46	40	86
All Engineers	1	1	0	0	0
Accountants & Auditors	22	26	4	3	7
Caseworkers	38	44	6	7	13
Chiropractors	7	8	1	2	3
Dentists	14	17	3	1	4
Embalmers	6	7	1	1	2
Lawyers	37	43	6	4	10
Nurses, Professional (Exc. Practical Nurses)	34	40	6	7	13
Physicians &/or Surgeons	29	34	5	4	9
Public-Relations Practitioners	3	4	1	0	1
Group Recreation Workers	41	48	7	6	13
All Other Professional Workers	59	65	6	5	11
TOTAL TECHNICAL WORKERS	123	147	24	23	47
All Engineering Technicians	34	40	6	2	8
All Science Technicians	2	2	0	0	0
Dental Assistants	36	43	7	10	17
Licensed Practical Nurses	14	17	3	3	6
Radiologic Technicians	4	5	1	1	2
Dental Hygienists	20	24	4	5	9
Medical Laboratory Technicians	9	11	2	2	4
All Other Medical & Dental Technicians	1	1	0	0	0
All Other Technicians	3	4	1	0	1
TOTAL SERVICE WORKERS	710	819	109	155	264
Maids	177	202	25	43	68
All Other Janitors, Porters & Cleaners	60	70	10	12	22
All Guards & Doorkeepers	5	6	1	0	1
Bartenders	19	22	3	3	6
Kitchen Helpers	34	39	5	6	11
Waiters or Waitresses	29	33	4	6	10
Cooks, Restaurant (Exc. Supervisory Chefs)	18	20	2	3	5
Cooks, Institution	21	24	3	3	6
All Other Food Service Workers	31	36	6	5	11
Cosmetologists &/or Women's Hairsytlists	53	61	8	14	22
Housekeepers	6	7	1	1	2
Recreation Facility Attendants	30	35	5	4	9
Social Service Aides	9	11	2	2	4
Medical Assistants	22	26	4	5	9
All Other Service Workers	196	227	32	48	80
TOTAL MAINTENANCE & PRODUCTION WORKERS	332	383	51	42	93
Mechanics, Automotive	21	24	3	2	5
Body Repairers, Automotive	15	17	2	1	3
All Other Mechanics & Repairers	9	11	2	0	2
Markers, Classifiers & Wet Wash Assemblers	7	8	1	2	3
Washers, Machine &/or Starchers	15	17	2	4	6
Dry-Cleaning-Machine Operators	4	5	1	1	2
Exterminators	14	17	3	2	5
Folders, Laundry	8	9	1	2	3
Maintenance Repairers, General Utility	68	78	10	6	16
Trades Helpers	6	7	1	1	2
Gardeners & Groundskeepers	21	24	3	4	7
All Other Skilled Craft Workers	48	55	7	6	13
All Other Operatives & Semiskilled Workers	51	59	8	5	13
All Other Laborers & Unskilled Workers	45	52	7	6	13
TOTAL CLERICAL WORKERS	465	541	76	101	177
All Office Machine Operators	13	16	3	2	5

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YAVAPAI COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Accounting Clerks	4	5	1	1	2
Bookkeepers, Hand	45	52	7	9	16
Cashiers (Inc. Cashier-Checkers)	18	21	3	4	7
Counter Clerks	6	7	1	1	2
File Clerks	6	7	1	2	3
General Clerks, Office	74	86	12	16	28
Desk Clerks	46	52	6	10	16
Insurance Clerks, Medical	11	13	2	2	4
Payroll &/or Timekeeping Clerks	6	7	1	1	2
Receptionists	63	74	11	17	28
Secretaries	82	95	13	19	32
Switchboard Operator-Receptionists	7	8	1	2	3
Messengers	7	8	1	1	2
Typists (Inc. Clerk-Typists)	15	18	3	4	7
Clerical Supervisors, Office or Plant	8	9	1	1	2
All Other Office Clerical Workers	39	45	6	7	13
Stock Clerks	11	13	2	1	3
All Other Plant Clerical Workers	4	5	1	1	2
TOTAL SALES WORKERS	8	9	1	1	2
TOTAL ALL OCCUPATIONS	2,109	2,445	336	388	724

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Other Professional Workers
- Chemists
- Psychologists
- Systems Analysts, Business
- Teachers, Voc. Ed. or Training
- Teachers, Adult Education
- Teachers, Elementary &/or Secondary
- Purchasing Agents &/or Buyers
- Architects (Exc. Landscape Architects)
- Media Buyers
- Dietitions &/or Nutritionists
- Writers &/or Editors
- Law Clerks
- Librarians, Professional
- Optometrists (Exc. Opticians)
- Paralegal Personnel
- Sports Instructors
- Community Organization Workers
- Tax Preparers

TECHNICAL WORKERS

All Engineering Technicians
- Computer Programmers
- Drafters
- Surveyors (Exc. Surveyor Helpers)

All Other Technicians
- Physical Therapy Assistants

SERVICE WORKERS

All Other Food Service Workers
- Bakers, Bread &/or Pastries
- Hosts/Hostesses, Restaurant, Lounge or Coffee Shop
- Counter Attends., Lunch, Coffee Shop or Cafeteria
- Cooks, Short Order &/or Specialty Fast Foods
- Food Prep. & Service Workers, Fast Food Restaurant

All Other Service Workers
- Child Care Attendants
- Barbers
- Funeral Attendants
- Manicurists
- Nurse's Aides &/or Orderlies
- Ushers, Lobby Attendants & Ticket Takers
- Shampooers
- Child-Care Workers

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
- Laundry-Machine Mechanics
- Pinsetter Mechanics, Automotive
- Refrigeration/Air Conditioning Mechanics

All Other Skilled Craft Workers
- Spotters, Dry Cleaning
- Pressers, Machine, Laundry
- Bus Drivers
- Carpenters
- Electricians
- Supervisors, Nonworking

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YAVAPAI COUNTY (CONTD.)

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

Machinists
Musical Instrument Repairers
Painters, Automotive
Motion Picture Projectionists
Dental Laboratory Technicians
Furniture Upholsterers
Automobile Seat Cover & Top Installers

All Other Operatives & Semiskilled Workers
Laundry Operators, Small Establishment
Pressers, Machine (Exc. Laundry Pressers, Machine)
Rug Cleaners, Machine
Delivery & Route Workers
Fumigators
Menders (Exc. Seamstresses & Alteration Tailors)
Tire Fabricators &/or Repairers
Welders & Flamecutters
Surveyor Helpers
Glass Installers

MAINTENANCE & PRODUCTION WORKERS (CONTD.)

All Other Laborers & Unskilled Workers
Tumbler Operators
Production Packagers, Hand or Machine

CLERICAL WORKERS

All Office Machine Operators
Bookkeeping &/or Billing Machine Operators
Computer Operators
Keypunch Operators

All Other Office Clerical Workers
Stenographers
Desk Clerks, Bowling Floor
Order Clerks
Switchboard Operators
Teacher's Aides &/or Educational Assistants

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YUMA COUNTY

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
TOTAL MANAGERS & OFFICERS	352	410	58	51	109
TOTAL PROFESSIONAL WORKERS	591	686	95	85	180
All Engineers	32	38	6	3	9
All Natural & Mathematical Scientists	1	1	0	0	0
All Physical Scientists	4	5	1	0	1
All Social Scientists	8	9	1	1	2
Vocational & Educational Counselors	14	16	2	2	4
Teachers, Elementary &/or Preschool	58	67	9	11	20
All Other Teachers	22	26	4	3	7
Purchasing Agents &/or Buyers	3	3	0	0	0
Accountants & Auditors	128	149	21	19	40
Caseworkers	37	43	6	7	13
Dentists	7	8	1	1	2
Dietitians &/or Nutritionists	3	4	1	1	2
Lawyers	42	49	7	5	12
Nurses, Professional (Exc. Practical Nurses)	33	39	6	7	13
Physicians &/or Surgeons	48	57	9	7	16
Sports Instructors	29	34	5	3	8
Group Recreation Workers	7	8	1	1	2
All Therapists	8	9	1	1	2
All Other Professional Workers	107	121	14	13	27
TOTAL TECHNICAL WORKERS	164	192	28	26	54
Drafters	20	23	3	2	5
All Other Engineering Technicians	14	16	2	0	2
All Science Technicians	10	12	2	1	3
Dental Assistants	22	26	4	6	10
Licensed Practical Nurses	34	40	6	8	14
Radiologic Technicians	7	8	1	1	2
Dental Hygienists	8	9	1	2	3
All Other Medical & Dental Technicians	13	16	3	3	6
All Other Technicians	36	42	6	3	9
TOTAL SERVICE WORKERS	1,140	1,320	180	223	403
Janitors, Porters & Cleaners	7	8	1	1	2
Maids	179	204	25	44	69
House Cleaners	50	59	9	11	20
All Other Janitors, Porters & Cleaners	70	81	11	13	24
Guards & Doorkeepers	78	92	14	5	19
Bartenders	64	74	10	9	19
Dining Rm./Cafeteria Attends. & Bartdr. Helpers	30	34	4	2	6
Kitchen Helpers	44	51	7	8	15
Waiters or Waitresses	142	163	21	32	53
Cooks, Restaurant (Exc. Supervisory Chefs)	37	42	5	6	11
Cooks, Institution	19	22	3	3	6
All Other Food Service Workers	33	38	5	5	10
Cosmetologists &/or Women's Hairstylists	85	99	14	23	37
Supervisors, Nonworking-Service	13	15	2	1	3
Housekeepers	14	16	2	3	5
Nurse's Aides &/or Orderlies	65	77	12	15	27
Child-Care Workers	46	53	7	13	20
Medical Assistants	16	19	3	4	7
All Other Service Workers	148	173	25	25	50
TOTAL MAINTENANCE & PRODUCTION WORKERS	575	663	88	64	152
Mechanics, Automotive	123	143	20	10	30
Body Repairers, Automotive	12	14	2	1	3
All Other Mechanics & Repairers	49	56	7	5	12
Washers, Machine &/or Starchers	10	12	2	3	5

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YUMA COUNTY (CONTD.)

	Estimated 1981 Employment	Projected 1985 Employment	Job Openings Due to Growth 1981-1985	Job Openings Due to Separations 1981-1985	Total Job Openings 1981-1985
Laundry Operators, Small Establishment	14	16	2	4	6
Pressers, Hand	6	7	1	2	3
Pressers, Machine (Exc. Laundry Pressers, Machine)	8	9	1	1	2
Pressers, Machine, Laundry	10	12	2	3	5
Delivery & Route Workers	11	13	2	1	3
Electricians	3	3	0	0	0
Exterminators	24	28	4	3	7
Folders, Laundry	4	5	1	1	2
Maintenance Repairers, General Utility	52	60	8	5	13
Trades Helpers	21	24	3	2	5
Menders (Exc. Seamstress & Alteration Tailor)	6	7	1	1	2
Painters, Automotive	12	14	2	1	3
Production Packagers, Hand or Machine	3	3	0	0	0
Alteration Tailors (Exc. Menders & Custom Sewers)	4	5	1	1	2
Welders & Flamecutters	10	12	2	1	3
Gardeners & Groundskeepers	32	37	5	6	11
All Other Skilled Craft Workers	83	94	11	6	17
All Other Operatives & Semiskilled Workers	30	34	4	2	6
All Other Laborers & Unskilled Workers	48	55	7	5	12
TOTAL CLERICAL WORKERS	807	936	129	175	304
Bookkeeping &/or Billing Machine Operators	5	6	1	1	2
Computer Operators	14	16	2	2	4
Keypunch Operators	8	9	1	2	3
Accounting Clerks	27	31	4	5	9
Bookkeepers, Hand	57	66	9	11	20
Car Rental Clerks	8	9	1	2	3
Cashiers (Inc. Cashier-Checkers)	48	55	7	10	17
Collectors	15	18	3	2	5
Counter Clerks	15	17	2	3	5
File Clerks	9	10	1	3	4
General Clerks, Office	82	96	14	18	32
Desk Clerks	39	44	5	8	13
Insurance Clerks, Medical	18	21	3	4	7
Payroll &/or Timekeeping Clerks	9	11	2	2	4
Receptionists	83	98	15	22	37
Secretaries	161	187	26	38	64
Switchboard Operator-Receptionists	19	22	3	5	8
Typists (Inc. Clerk-Typists)	40	47	7	11	18
Teacher's Aides &/or Educational Assistants	60	70	10	11	21
All Other Office Clerical Workers	63	72	9	12	21
Stock Clerks, Stockroom, Warehouse or Storage Yard	18	21	3	2	5
All Other Plant Clerical Workers	9	10	1	1	2
TOTAL SALES WORKERS	31	37	6	4	10
Sales Reps., Agents &/or Associates	10	12	2	1	3
All Other Sales Agents, Associates &/or Reps.	4	5	1	1	2
All Other Sales Workers	17	20	3	2	5
TOTAL ALL OCCUPATIONS	3,660	4,244	584	628	1,212

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

PROFESSIONAL WORKERS

All Engineers
Civil Engineers
Electrical & Electronic Engineers

PROFESSIONAL WORKERS (CONTD.)

All Social Scientists
Psychologists

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YUMA COUNTY (CONTD.)

PROFESSIONAL WORKERS (CONTD.)

All Other Teachers
Teachers, Vocational Education or Training
Teachers, Adult Education

All Therapists
Occupational Therapists
Physical Therapists

All Other Professional Workers
Systems Analysts, EPD
Systems Analysts, Business
Systems Analysts, Scientific & Technical
Media Buyers
Directors, Camp
Chiropractors
Dance Instructors
Writers &/or Editors
Employment Interviewers
Law Clerks
Librarians, Professional
Curators, Museum
Musicians, Instrumental
Optometrists (Exc. Opticians)
Personnel & Labor Relations Specialists
Pharmacists
Podiatrists
Public-Relations Practitioners
Designers (Exc. Design Engineers)
Community Organization Workers
Tax Preparers

TECHNICAL WORKERS

All Other Engineering Technicians
Computer Programmers
Computer Programmers, Business
Engineering Technicians
Electrical & Electronic Technicians
Surveyors (Exc. Surveyor Helpers)

All Medical & Dental Technicians
Physician's Assistants
Pharmacy Helpers
Medical Laboratory Technologists
Medical Laboratory Technicians
Blood Bank Technology Specialists

All Other Technicians
Technical Assistants, Library
Mathematical Technicians

SERVICE WORKERS

All Other Food Service Workers
Cooks, Short Order &/or Specialty Fast Foods
Pantry, Sandwich &/or Coffee Makers

All Other Service Workers
Child Care Attendants
Barbers
Bellhops, Porters, Doorkprs. & Rm. Srvce. Attdts.
Recreation Facility Attendants
Game & Ride Operators & Concession Workers
Ushers, Lobby Attendants & Ticket Takers
Instructors, Reducing
Social Service Aides

MAINTENANCE & PRODUCTION WORKERS

All Other Mechanics & Repairers
Camera Repairers
Diesel Mechs. (Exc. Auto & Eng. Equip. Mechs.)
Laundry-Machine Mechanics
Pinsetter Mechanics, Automatic
Refrigeration/Air Conditioning Mechanics
Coin /Vending-Machine Repairers
Data Processing Machine Repairers

All Other Skilled Craft Workers
Developers &/or Projection Printers
Film Printers, Motion Picture Films
Spotters, Dry Cleaning
Spotters, Washable Materials
Dry-Cleaning-Machine Operators
Dry-Cleaners, Hand
Bus Drivers
Carpenters (Exc. Cabinetmakers)
Compositors &/or Typesetters
Supervisors, Nonworking
Instrument Repairers
Machinists
Plumbers &/or Pipefitters
Motion Picture Projectionists
Dental-Laboratory Technicians
Sheet Metal Workers
Termite Treaters
Opticians, Dispensing &/or Optical Mechanics
Furniture Upholsterers
Automobile Seat Cover & Top Installers
Bus Drivers, School

All Other Operatives & Semiskilled Workers
Markers, Classifiers, Wet Wash Assemblers
Billposters
Fumigators
Inspectors
Sewing Machine Opers., Reg. Equip.-Nongarment
Surveyor Helpers
Glass Installers
Rental Car Deliverers
Chauffeurs

All Other Laborers & Unskilled Workers
Painters, Automotive
Cleaners, Vehicle
Tumbler Operators

CLERICAL WORKERS

All Other Office Clerical Workers
Stenographers
In-File Operators
Library Assistants (Exc. Techs.)
Mail Clerks
Personnel Clerks
Statistical Clerks
Switchboard Operators
Travel Clerks
Clerical Supervisors, Office or Plant

ESTIMATED EMPLOYMENT AND JOB OPENINGS
SERVICES

YUMA COUNTY (CONTD.)

CLERICAL WORKERS (CONTD.)

All Other Plant Clerical Workers
Production Clerks &/or Coordinators
Shipping Packers
Dispatchers, Vehicle, Service or Work

SALES WORKERS

All Other Sales Workers
Sales Clerks (Exc. Cashiers)

METHODOLOGY

Limitations of the Data

The projection methods do not account for cyclical, seasonal, and such factors as the sudden opening and closing of large establishments. Caution is advised in the use of employment forecast data for industries with limited employment - especially in the smaller counties. The establishment or closing of a single firm could have a profound effect on a county's employment and demand.

The occupational data in this publication refer only to employees who earned a wage or salary. Self-employed and unpaid family workers are not represented in the statistics.

Sample Selection and Response Rate

Occupational estimates for the services industry were developed from a survey of employers throughout the state. Employers who were asked to participate in the survey were selected from a master employer file of firms doing business in Arizona, using standardized sampling techniques. A sample of establishments employing 4-99 employees and all establishments having 100 or more employees were surveyed. The entire sample was composed of 5,837 firms with a usable response rate of 86 percent.

Employment Projections

Services employment was projected using regression analysis and was adjusted to reflect recent industry developments. The 1985 occupational employment was calculated by applying staffing pattern ratios (as determined by the survey) to the industry projections.

Job Openings

The difference between 1981 and 1985 employment for each occupation represents expected job openings due to growth. Job openings due to separations were calculated by interpolating 1970 and 1985 separation rates for each occupation[1] and applying them to the occupational employment projections. "Total job openings" is the sum of openings due to growth and separations. These data do not include openings resulting from turnover, i.e., openings created when a worker changes jobs.

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[1]"Tomorrow's Manpower Needs," Supplement No. 4, BLS, 1974, pp. 11-16.